

February 15, 1995

Bureau of Land Management
Warm Springs Resource Area
3500 East 500 North
Fillmore, UT 84631

Attention: Mr. Rody Cox

SEVIER LAKE FEDERAL 1-29
SENE SECTION 29, T19S - R10W
2250' FNL, 700' FEL
MILLARD COUNTY, UTAH

Gentlemen:

For your consideration, please find in triplicate a Notice of Staking form for the subject well location. Chevron has proposed the drilling of a stratigraphic test to be commenced early in the second quarter 1995. Accompanying the Notice of Staking you will find a location plat for the proposed site.

As we advised, a surveyor has center-staked and corner-staked a 400 x 400' pad for the subject location. In addition, an archaeologist has completed a cultural resource inventory on the ground clearing the pad site, as well as a 200' buffer zone around the location. In my conversation with Mr. Cox, we have agreed to schedule the on-site surface inspection for February 28, 1995. Our plans may include visiting the site of each of the water wells (Mudhole and Headquarters wells) that are in the vicinity. We may use the water from either or both of the wells to drill the Sevier Lake test.

Further, this will serve as our formal request for an exception to the limitation specified in the oil and gas lease stipulation. Lease USA UTU-72587 stipulation allows exploration, drilling and other development activity in the N2, N2S2 of Section 29, T19S, R10W only during the period from July 1 to February 28 in order to protect crucial raptor nesting areas. Your office has indicated that a wildlife representative shall conduct an inventory of the drillsite to observe or determine occurrence of actual nesting during the season of ground raptor nesting activity. We request the Bureau's consideration in granting an exception to the limitation.

Chevron specifically requests that this information remain confidential. If you should require additional information with regard to this filing, please do not hesitate to contact this office. (713)754-7659.

Sincerely,

Annette Bak
Landman
Thrust Belt District

:me

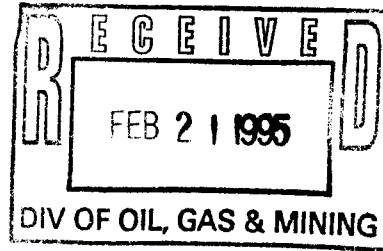
via express mail delivery

cc: BLM, State Director
BLM, Richfield District
Utah Board of Oil, Gas & Mining
Mr. D. Haddock
Mr. J. Bailey



Chevron

Chevron U.S.A. Production Company
Western Exploration Division
P.O. Box 1635
Houston, TX 77251



NOTICE OF STAKING

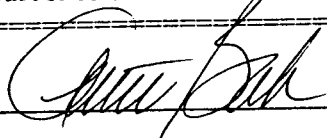
NOTICE OF STAKING (Not to be used in place of Application for Permit to Drill Form 3160-3)	6. Lease Number: USA UTU-72587
1. Oil Well () Gas Well () Other (X) (Specify) Stratigraphic test to obtain stratigraphic information	7. If Indian, Allottee or Tribe Name: n/a
2. Name of Operator Chevron U.S.A. Production Company, a Division of Chevron U.S.A. Inc.	8. Unit Agreement Name: n/a
3. Specific Name/Number of Operator/Agent Chevron U.S.A. Production Company, a Division of Chevron U.S.A. Inc.	9. Farm or Lease Name USA
4. Address & Phone No. of Operator/Agent P. O. Box 1635, Houston, TX 77251 (713)754-7659	10. Well No.: Sevier Lake Federal 1-29
5. Surface Location at Well: 2250' FNL, 700' FEL Section 29 T 19 S, R 10 W	11. Field or Wildcat Name: Wildcat
	12. Sec., T., R., M., or Blk and Survey or Area SENE Section 29, T19S, R10W
13. Formation Objective(s):	14. Estimated Well Depth: 5000'
15. County, Parish or Borough Millard	16. State UTAH

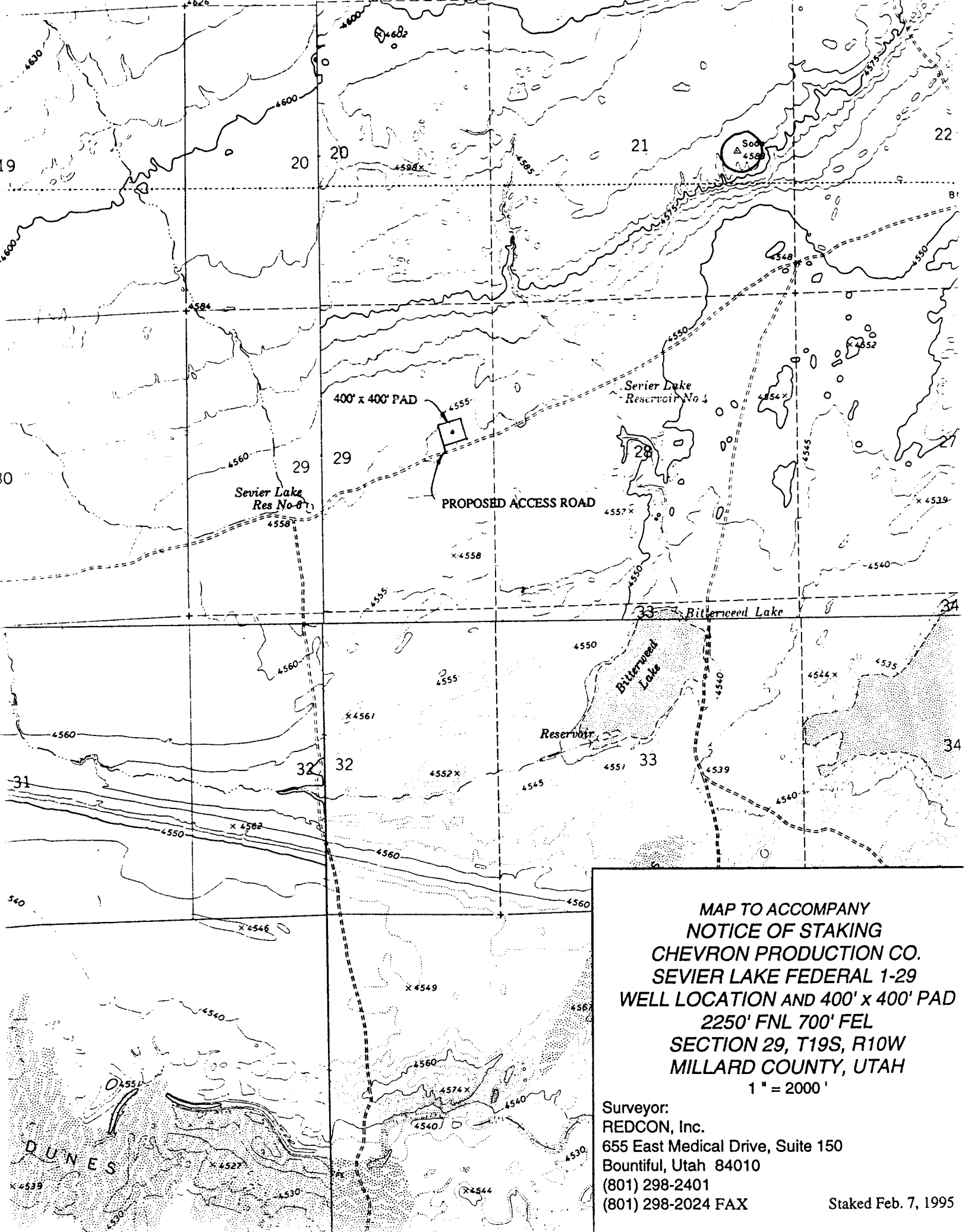
17. Additional information: See attachment - Location map.

The following items will be furnished with Form 3160-3:

- A) Survey of Drilling Location, pad layout.
- B) Drilling Plan with BOPE Diagram.
- C) 13-Point Surface Use Plan with Cultural Resource Study.
- D) Bond

Occurrence of H2S is not anticipated during drilling program.

18. Signed  Title: Landman Date: 02/13/95



MAP TO ACCOMPANY
NOTICE OF STAKING
CHEVRON PRODUCTION CO.
SEVIER LAKE FEDERAL 1-29
WELL LOCATION AND 400' x 400' PAD
2250' FNL 700' FEL
SECTION 29, T19S, R10W
MILLARD COUNTY, UTAH
1 " = 2000'

Surveyor:
REDCON, Inc.
655 East Medical Drive, Suite 150
Bountiful, Utah 84010
(801) 298-2401
(801) 298-2024 FAX

Staked Feb. 7, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. USA UTU-72587	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Test <input type="checkbox"/> Stratigraphic <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Chevron U.S.A. Production Company, U.S.A. Inc.		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS AND TELEPHONE NO. P.O. Box 1635, Houston, TX 77251 (713) 754-7659		8. FARM OR LEASE NAME, WELL NO. SEVIER LAKE FEDERAL 1-29	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2250' FNL, 700' FEL SECTION 29, T19S-R10W At proposed prod. zone (SAME)		9. API WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* APPROX. 3/4 MI SE OF HWY 6/50		10. FIELD AND POOL, OR WILDCAT WILDCAT	
15. DISTANCE FROM PROPOSED* 4580' EAST OF SEC. LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) LINE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 29, T19S-R10W, SLM	
16. NO. OF ACRES IN LEASE 10,025.68		12. COUNTY OR PARISH MILLARD	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160 AC		13. STATE UTAH	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		19. PROPOSED DEPTH 7,000'	
20. ROTARY OR CABLE TOOLS ROTARY		21. APPROX. DATE WORK WILL START* 4/30/95	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4555' GL			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17.5"	13.375", H-40	48.0 #/FT	50'	FROM SURFACE
12.25"	9.625", K-55	29.2 #/FT	1000'	TO SURF W/ 313 CF (265 SX)

Be advised that Chevron U.S.A. Production Company is considered to be the Operator of Chevron Sevier Lake Federal #1-29, Millard Co., Utah, Lease USA-U72587, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond No. U-89-75-81-34 (Standard Oil Company of California and its wholly owned subsidiary Chevron U.S.A. Inc., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED A. BAK TITLE LANDMAN DATE 3-13-95

(This space for Federal or State office use)

PERMIT NO. 43-027-30035 APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE Petroleum Engineer DATE 6/6/95

*See Instructions On Reverse Side

CONFIDENTIAL

E OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. Lease Designation and Serial Number: USA UTU-72587	
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. If Indian, Allocated or Tribe Name: N/A	
B. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: STRATIGRAPHIC TEST SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name: N/A	
2. Name of Operator: CHEVRON U.S.A. PRODUCTION COMPANY, a division of Chevron U.S.A. Inc.		8. Farm or Lease Name: SEVIER LAKE	
3. Address and Telephone Number: P.O. BOX 1635, HOUSTON, TX 77251 (713) 754-7659		9. Well Number: FEDERAL 1-29	
4. Location of Well (Footages) At Surface: 2250' FNL, 700' FEL SEC 29-T19S-R10W At Proposed Producing Zone: (SAME)		10. Field and Pool, or Wildcat: WILDCAT	
14. Distance in miles and direction from nearest town or post office: APPROX 3/4 MI SE OF HWY 6/50		11. Qtr/Qtr, Section, Township, Range, Meridian: SE4NE4, SEC. 29 T19S-R10W	
15. Distance to nearest property or lease line (feet): 4580' EAST OF SEC LINE	16. Number of acres in lease: 10,025.68	17. Number of acres assigned to this well: 160 AC	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): N/A	19. Proposed Depth: 7000'	20. Rotary or cable tools: ROTARY	
21. Elevations (show whether DF, RT, GR, etc.): 4555' GL		22. Approximate date work will start: 4/30/95	

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17.5"	13.375", H-40	48.0#/FT	50'	FROM SURFACE
12.25"	9.625", K-55	29.5#/FT 36#/FT	1000'	TO SURF W/313 CF (265 SX)
		<i>[Signature]</i>		

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Be advised that Chevron U.S.A. Production Company is considered to be the Operator of Chevron Sevier Lake Federal #1-29, Millard Co., Utah, Lease USA-U72587, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond No. U-89-75-81-34 (Standard Oil Company of California and its wholly owned subsidiary Chevron U.S.A. Inc., as co-principals) via surety consent as provided for in 43 CFR 3104.2

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: 6/6/95
BY: [Signature]

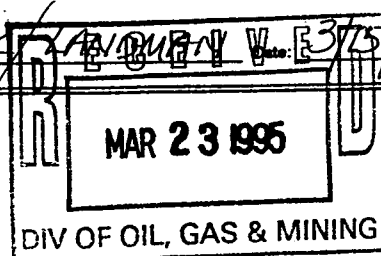
24.

Name & Signature: *[Signature]*Title: A. BAKERDate: 6/23/95

space for State use only)

API Number Assigned: 43-027-30035

Approval:



E OF UTAH
DIVISION OF OIL, GAS AND MINING

FPM

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> B. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: STRATIGRAPHIC TEST SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		5. Lease Designation and Serial Number: USA UTU-72587	
2. Name of Operator: CHEVRON U.S.A. PRODUCTION COMPANY, a division of Chevron U.S.A. Inc.		6. If Indian, Allottee or Tribe Name: N/A	
3. Address and Telephone Number: P.O. BOX 1635, HOUSTON, TX 77251 (713) 754-7659		7. Unit Agreement Name: N/A	
4. Location of Well (Footages) At Surface: 2250' FNL, 700' FEL SEC 29-T19S-R10W At Proposed Producing Zone: (SAME)		8. Farm or Lease Name: SEVIER LAKE	
14. Distance in miles and direction from nearest town or post office: APPROX 3/4 MI SE OF HWY 6/50		9. Well Number: FEDERAL 1-29	
15. Distance to nearest property or lease line (feet): 4580' EAST OF SEC LINE	16. Number of acres in lease: 10,025.68	10. Field and Pool, or Wildcat: WILDCAT	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): N/A	19. Proposed Depth: 7000'	11. Qtr/Qtr, Section, Township, Range, Meridian: SE4NE4, SEC. 29 T19S-R10W	
21. Elevations (show whether DF, RT, GR, etc.): 4555' GL		12. County: MILLARD	13. State: UTAH
17. Number of acres assigned to this well: 160 AC		20. Rotary or cable tools: ROTARY	
22. Approximate date work will start: 4/30/95			

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17.5"	13.375", H-40	48.0#/FT	50'	FROM SURFACE
12.25"	9.625", K-55	29.5#/FT 36#/FT	1000'	TO SURF W/313 CF (265 SX)

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Be advised that Chevron U.S.A. Production Company is considered to be the Operator of Chevron Sevier Lake Federal #1-29, Millard Co., Utah, Lease USA-U72587, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond No. U-89-75-81-34 (Standard Oil Company of California and its wholly owned subsidiary Chevron U.S.A. Inc., as co-principals) via surety consent as provided for in 43 CFR 3104.2

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: 6/6/95
BY: [Signature]

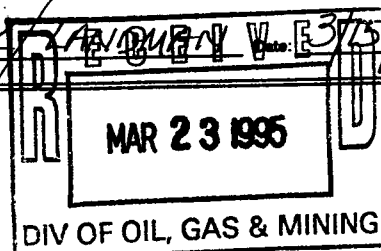
24.

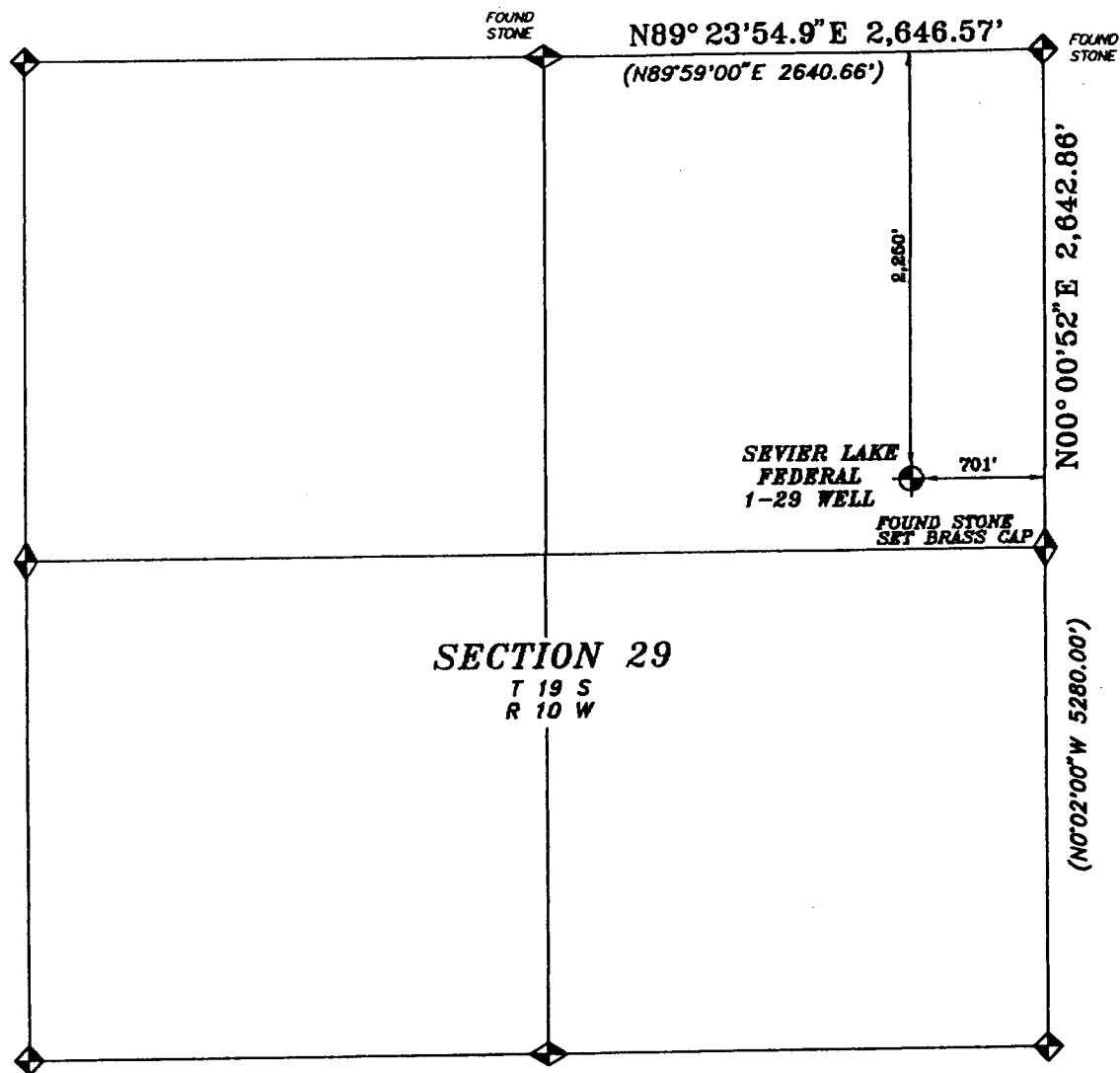
Name & Signature: [Signature]Title: A. BAKER

space for State use only)

API Number Assigned: 43-027-30035

Approval:



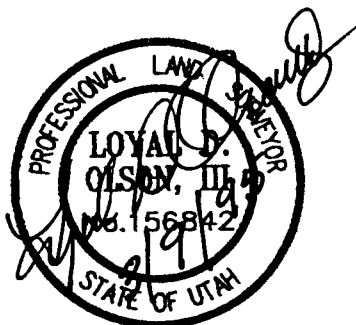


LOCATION MAP

N89°23'55" E 2,646.57' = Measured Bearing and Distance
 (N 89°12' E 2,640.0') = RECORD BEARING AND DISTANCE

0 500 1000 1500
 SCALE: 1" = 1000'
 U.S. SURVEY FOOT

MAGNETIC DELINATION = 16°15' EAST
 Basis of Bearing
 Geodetic North @
 Black USC&GS 1957
 N=039°02'51.342"
 W=112°54'54.0526"
 NAD 1927



SURVEYED UNDER MY DIRECTION

C:\SURVEY\SEVIER\S29PLAT.DWG
 PLOT: STANDARD.PCP

APPLICATION FOR PERMIT
 TO DRILL
 CHEVRON PRODUCTION CO.
 SEVIER LAKE FEDERAL
 1-29 WELL
 2,250' FNL, 701' FEL
 SE1/4 OF NE1/4 SEC 29
 T.19 S., R.10 W., SLB&M
 MILLARD COUNTY, UTAH

REDCON INC.
 655 EAST MEDICAL DRIVE, SUITE 150
 BOUNTIFUL, UTAH 84010
 (801) 298-2401 FAX (801) 298-2024
 Drawn By: RAE Date: MARCH 10, 1994
 Revised: Date:

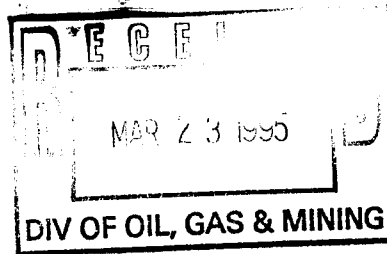
CONFIDENTIAL

EXHIBIT 'B' - LOCATION PLAT

March 15, 1995



SEVIER LAKE FEDERAL 1-29
STRATIGRAPHIC TEST
SENE SECTION 29, T19S-R10W
MILLARD COUNTY, UTAH



Chevron U.S.A. Production Company
Western Exploration Division
P.O. Box 1635
Houston, TX 77251

Bureau of Land Management
Richfield District
150 East 900 North
Richfield, Utah 84701
Attention: Mr. Michael Jackson

Gentlemen:

The purpose of this is to submit for BLM approval the Application for Permit to Drill the subject stratigraphic test. The following items are submitted herewith in triplicate for the above location. We request that this information remain confidential.

1. APD Form 3160-3
2. Evidence of Bond coverage
3. Geologic Program
4. Drilling Program
5. Multipoint Surface Use Plan
6. Class III Cultural Resource/Archaeological Inventory
7. Surveyed Plats:
 - a. Exhibit "A" - Vicinity Map
 - b. Exhibit "B" - Location Plat
 - c. Exhibit "C" - Pad Layout and Access Road
 - d. Exhibit "D" - Well Pad Cross Section
 - e. Exhibit "E" - Road Construction Detail
 - f. Exhibit "F" - Rig/Facilities Location Plat
8. Hydrogen Sulfide Contingency Plan

Chevron is targeting April 30, 1995 as the anticipated start date for exploration operations in the event the exception to the wildlife stipulation and timing restriction is granted.

The mitigations (items 1-21) listed as an attachment to your correspondence of March 8, 1995 have been addressed in the APD. Your immediate review of Chevron's plans consistent with pertinent regulations and procedures would be appreciated.

If you have any questions regarding the submitted Application, please do not hesitate to contact me.

Sincerely,

Annette Bak
Landman
Thrust Belt District

ab/
encls

cc: Rody Cox/BLM Warm Springs Resource Area
State of Utah Division of Oil, Gas and Mining
J. M. Bailey
L. W. Stavert
D. A. Haddock

E OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> B. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: STRATIGRAPHIC TEST SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		5. Lease Designation and Serial Number: USA UTU-72587	
		6. If Indian, Alottee or Tribe Name: N/A	
2. Name of Operator: CHEVRON U.S.A. PRODUCTION COMPANY, a division of Chevron U.S.A. Inc.		7. Unit Agreement Name: N/A	
		8. Farm or Lease Name: SEVIER LAKE	
3. Address and Telephone Number: P.O. BOX 1635, HOUSTON, TX 77251 (713) 754-7659		9. Well Number: FEDERAL 1-29	
4. Location of Well (Footages) At Surface: 2250' FNL, 700' FEL SEC 29-T19S-R10W At Proposed Producing Zone: (SAME)		10. Field and Pool, or Wildcat: WILDCAT	
		11. Qtr/Qtr, Section, Township, Range, Meridian: SE4NE4, SEC. 29 T19S-R10W	
14. Distance in miles and direction from nearest town or post office: APPROX 3/4 MI SE OF HWY 6/50		12. County: MILLARD	
15. Distance to nearest property or lease line (feet): 4580' EAST OF SEC LINE		13. State: UTAH	
16. Number of acres in lease: 10,025.68		17. Number of acres assigned to this well: 160 AC	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): N/A		19. Proposed Depth: 7000'	
20. Rotary or cable tools: ROTARY		21. Elevations (show whether DF, RT, GR, etc.): 4555' GL	
22. Approximate date work will start: 4/30/95		23. PROPOSED CASING AND CEMENTING PROGRAM	

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17.5"	13.375", H-40	48.0#/FT	50'	FROM SURFACE
12.25"	9.625", K-55	29.5#/FT 36#/FT	1000'	TO SURF W/313 CF (265 SX)
		<i>[Signature]</i>		

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Be advised that Chevron U.S.A. Production Company is considered to be the Operator of Chevron Sevier Lake Federal #1-29, Millard Co., Utah, Lease USA-U72587, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond No. U-89-75-81-34 (Standard Oil Company of California and its wholly owned subsidiary Chevron U.S.A. Inc., as co-principals) via surety consent as provided for in 43 CFR 3104.2

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING

DATE: 6/6/95

BY: [Signature]

24.

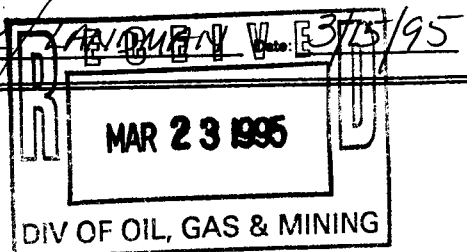
Name & Signature: [Signature]

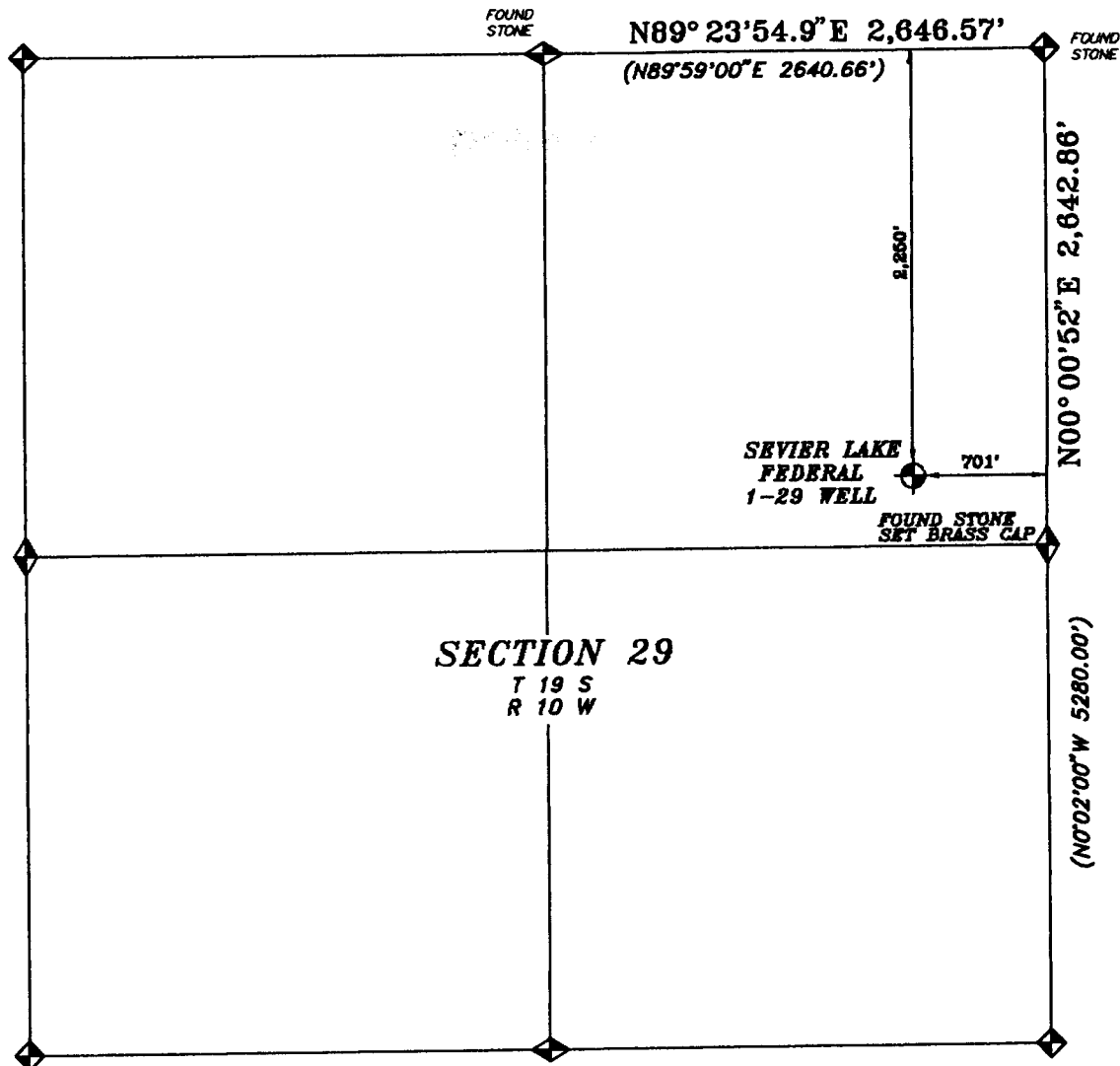
Title: A. BAKLAND

(space for State use only)

API Number Assigned: 43-027-30035

Approval:





LOCATION MAP

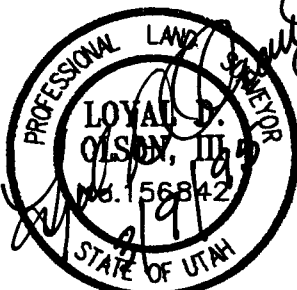
N89°23'55" E 2,646.57' = Measured Bearing and Distance
 (N 89°12' E 2,640.0') = RECORD BEARING AND DISTANCE

0 500 1000 1500

SCALE: 1" = 1000'
 U.S. SURVEY FOOT



MAGNETIC DELINATION = 16°15' EAST
 Basis of Bearing
 Geodetic North @
 Black USC&GS 1957
 N=039°02'51.342"
 W=112°54'54.0526"
 NAD 1927



SURVEYED UNDER MY DIRECTION

C:\SURVEY\SEVIER\S29PLAT.DWG
 PLOT: STANDARD.PCP

**APPLICATION FOR PERMIT
 TO DRILL
 CHEVRON PRODUCTION CO.
 SEVIER LAKE FEDERAL
 1-29 WELL
 2,250' FNL, 701' FEL
 SE1/4 OF NE1/4 SEC 29
 T.19 S., R.10 W., SLB&M
 MILLARD COUNTY, UTAH**

REDCON INC.
 655 EAST MEDICAL DRIVE, SUITE 150
 BOUNTIFUL, UTAH 84010
 (801) 298-2401 FAX (801) 298-2024
 Drawn By: KAF Date: MARCH 10, 1994
 Revised: Date:

CONFIDENTIAL

EXHIBIT 'B' - LOCATION PLAT

3-5-95

CONFIDENTIAL

<p>GEOLOGIC PROGRAM TERTIARY COREHOLE SEVIER LAKE PROSPECT</p>
--

Well Classification:

Stratigraphic Test

Surface Location:

700' FEL & 2250' FNL, Sec. 29-T19S-R10W

Bottom-Hole Location:

Straight hole.

Elevation:

4,555' Ground Level

Objective:

To obtain stratigraphic information.

Estimated Formation Tops:

<i>Formation Name</i>	<i>Depth (from GL)</i>
Ancient Lake Bonneville Sediments	surface
Tertiary Valley Fill	near surface
Tertiary Basalt	1,400'
Tertiary Valley Fill	1,500'
Pre-Tertiary	2,500' to as deep as 7,000'

Possible Drilling Problems:

None anticipated. There is a possibility of lost circulation and hole caving if unconsolidated alluvial fan material is encountered. Shales and siltstones are the most likely lithology for most of the Tertiary section.

Safety Precautions:

No H₂S is anticipated. Several wells located east of the Cricket Range reported minor gas shows with H₂S in some Paleozoic carbonates. Because we do not know what rocks underly the Tertiary sequence in our well, the possibility of H₂S cannot be eliminated. There is a relatively small chance of encountering overpressured water or steam.

Openhole Logs and Surveys:

We will run a complete suite of slim-hole logs.

Mud Logging:

Surface to TD with 2 man conventional mud-logging unit. Will also have consultant wellsite geologist present.

Cores: None planned.

CONFIDENTIAL

CHEVRON USA PRODUCTION CO.

SEVIER LAKE FEDERAL #1-29

700' FEL & 2250' FNL

SEC 29-T19S-R10W

MILLARD COUNTY, UTAH

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Ancient Lake Bonneville Sediments	Surface
Tertiary Valley Fill	Near Surface
Tertiary Basalt	1,400'
Tertiary Valley Fill	1,500'
Pre-Tertiary	2,500'
Precambrian	7,000'

**2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR
OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:**

Deepest Fresh Water: ~700' based on depth of existing water wells in area used for the purpose of watering livestock.

Oil Shale: None Expected.

Oil: Possible oil below the Tertiary Basalt.

Gas: Possible gas below the Tertiary Basalt.

Protection of oil, gas, water, or other mineral bearing formations:
Protection shall be accomplished by cementing surface casing back to the surface or to depths sufficient to isolate required formations. This well is a stratigraphic test and will be plugged and abandoned upon completion of drilling and logging operations. There is no intent to produce this well. Please refer to casing and cement information for protection plans.

CONFIDENTIAL

3. PRESSURE CONTROL EQUIPMENT:

For drilling conductor hole to 50': No BOP equipment required.

For drilling surface hole to 1,000':

No BOP equipment required. Rotating head for air drilling only.

For drilling through 9.625" surface casing to TD:

Maximum anticipated surface pressure is <2590 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 3000 psi equipment.

A casing head with an 11", 3000 psi flange will be screwed or welded onto the 9.625" surface casing.

BOP stack will consist of a double gate and annular preventer. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 3000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 3000 psi working pressure or greater. Please refer to attached schematics.

A rotating head will be used while drilling below surface casing to facilitate using air, air/mist, stiff foam or aerated mud as a circulating medium.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing except 13 3/8" will be new pipe and tested to 1500 psi. The 13 3/8" will not be tested.

Casing	Weight	Grade	Conn.	Stage	Centralizers
13.375"	48.0 #/ft.	H-40	STC	No	No
9.625"	29.3 #/ft.	K-55	STC	No	*

* Centralizers will be placed 10' above shoe, on 1st, 3rd, 5th and last collars.

CONFIDENTIAL

Cement Information:

Casing	Cement
---------------	---------------

13.375"	Cemented from surface utilizing Ready-Mix.
---------	--

9.625"	Oilfield type cement circulated in. Class "A" w/ 2% CaCl ₂ single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 313 cf (265 sx) calculated. Tail plug used. Allowed to set under pressure.
--------	--

Upon completion of drilling and logging operations, well will be abandoned. Abandonment plugs will be of Class "A" neat slurry. Size and location of plugs will be determined at conclusion of logging.

Drilling Equipment:

Conductor hole will be drilled and conductor casing set with small rotary surface hole rig.

Drilling below conductor casing will be with conventional rotary equipment equipped to use air, fluid or a combination of both.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with air, air/mist, stiff foam or aerated water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

No minimum quantity of weight material will be required to be kept on location. Sufficient quantity of water to load the hole while air drilling will be on location and readily available at all times.

PVT/Flow Show will be on location and operable from base of conductor casing to TD in the event fluid drilling is incorporated.

Gas detector will be used from surface (depth mud loggers on) to TD.

CONFIDENTIAL

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging:

Mud logging:
Electric Logging:

Surface to TD
A complete suite of open hole
logs will be run.

Coring:

None planned but are possible.

Testing:

None planned but are possible.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal pressure gradient to TD. Some slightly pressured gas zones (.45-.47) may exist below the Tertiary Basalt. All zones are anticipated to be tight - drill underbalanced with air, air/mist, stiff foam or aerated fluids. If any Hydrogen Sulfide/Steam is encountered, air drilling will be discontinued and drilling mud will be used exclusively from that point to completion of the well

Maximum expected BHP @ 7000': ~3290 psi (0.47 psi/ft.).
Maximum expected BHT @ 7000': ~135° F

8. OTHER:

If large quantities of water are encountered during air drilling operations, any clear fluid containing no solids or hydrocarbons will be spread on location and neighboring dirt/gravel roads in an effort to control dust.

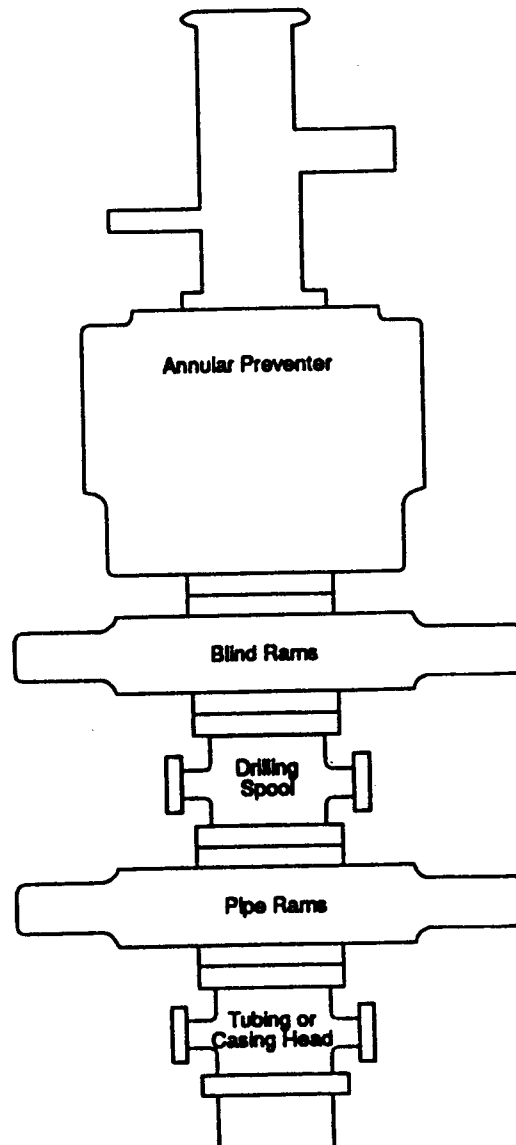
CONFIDENTIAL

CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL-CONTROL AND BLOWOUT PREVENTION

E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

**Figure 11J.4
Class III Blowout Preventer Stack**



CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

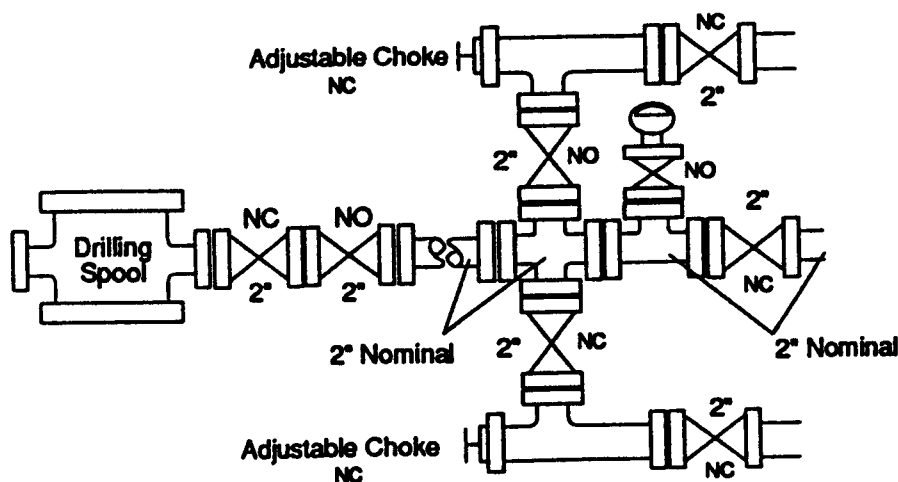
D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
5. Includes a bleed line which runs straight through the cross and is isolated by a steel gate valve.
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
7. Returns through the choke manifold must be divertible through a mud-gas separator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.

Figure 11J.8 - Class III Choke Manifold

NC = Normally Closed
NO = Normally Open

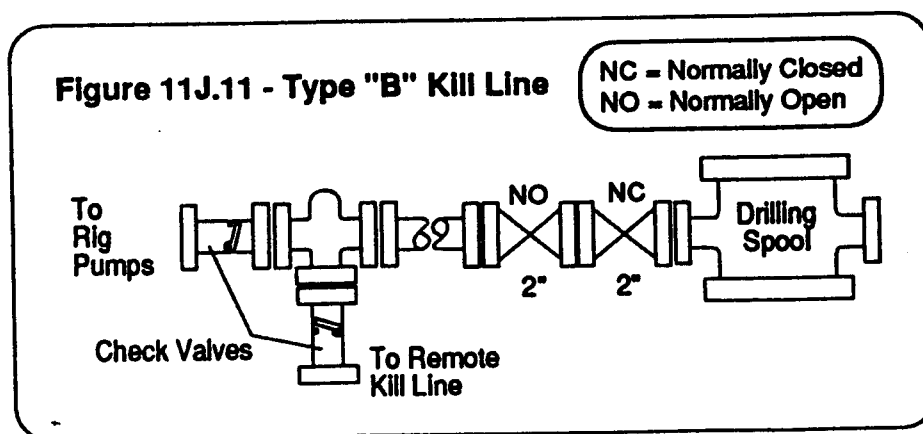


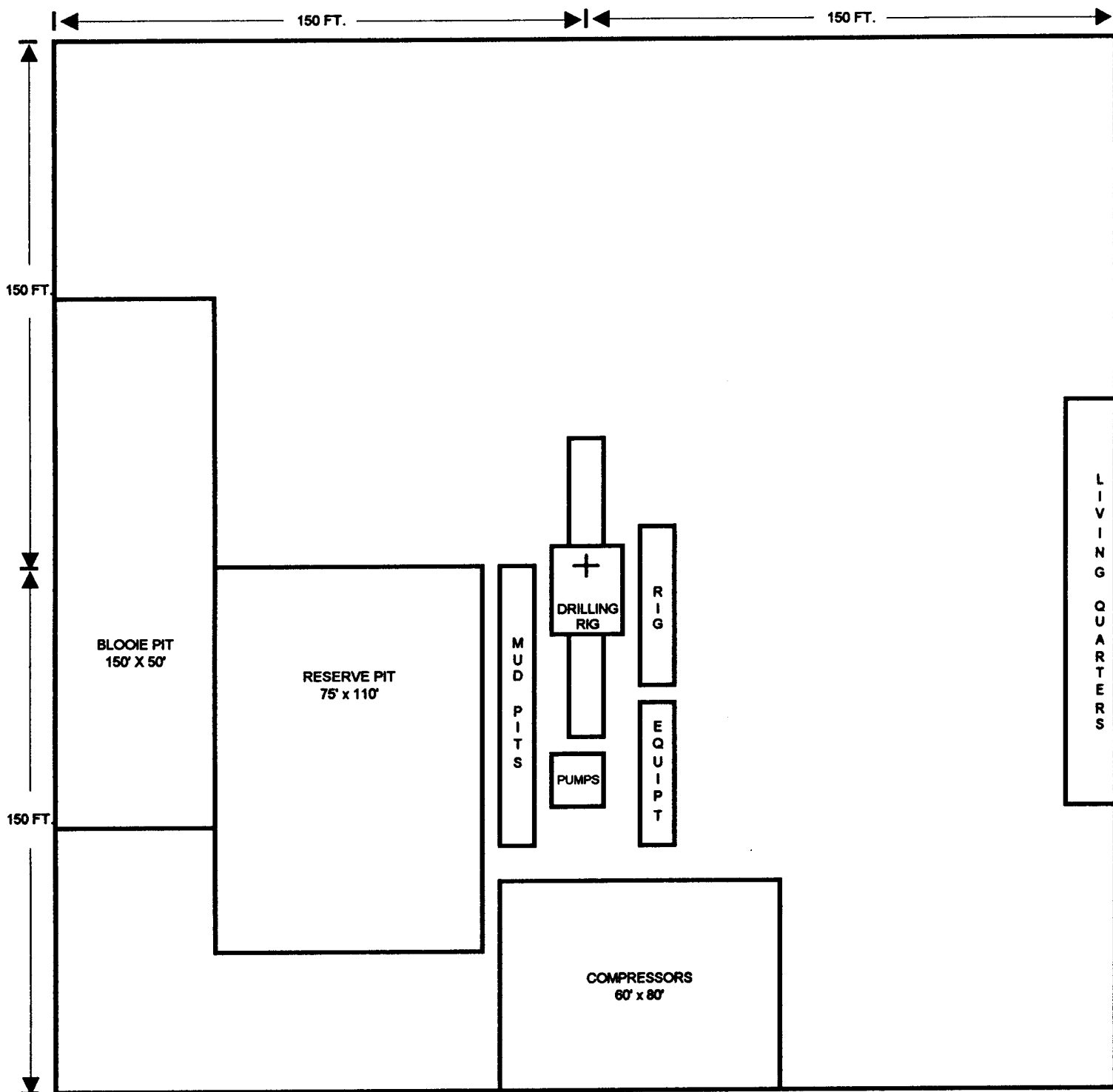
CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

D. TYPE "B" KILL LINE — CLASS III, IV, AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.
2. The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.
3. Two pump-in lines should be attached to the fluid cross. The primary kill line should be routed to the rig standpipe where it can be manifolded to the rig pumps. The remote kill line should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.
4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.
5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.
6. Any lines which are installed at the wellhead are designated as "emergency kill lines" and should only be used if the primary and remote kill lines are inoperable.





MULTIPOINT SURFACE USE PLAN

**CHEVRON U.S.A. INC.
SEVIER LAKE FEDERAL #1-29
STRATIGRAPHIC TEST
SECTION 29, T19S, R10W
MILLARD COUNTY, UTAH**

1. PROPOSED FACILITIES

- A. This well to be drilled as a stratigraphic test only. There will be no permanent facilities associated with this well.
- B. A blooie pit approx. 100' X 50' X 10' with a 30' high back wall will be constructed approximately 150' from center hole. This pit will be located directly behind and share a common wall with the conventional reserve pit. **SEE EXHIBIT "F"**.

2. LOCATION AND TYPE OF WATER SUPPLY

- A. Two (2) Government facilities may be used for obtaining water:
 - (i) Facility Name: Mudhole Water Well
Location: SWSW Section 29 - T19S, R9W
Millard County, Utah
 - (ii) Facility Name: Headquarters Water Well
Location: SESE Section 15 - T19S, R9W
Millard County, UtahA BLM form water use permit will be used for this purpose.
- B. An alternative source for obtaining water will be to appropriate water from the Sevier River from a location within approximately two (2) miles of the stratigraphic test located at a point in the SWSE Section 22, T19S - R 10W. A State of Utah Application to Appropriate Water (Form 97) will be used for this operation.

The transportation method for all water to be used in drilling the proposed well will be determined; and, any access roads that are used to haul or transport the water shall be appropriately described and the necessary R/W permits shall be filed and provided to authorized officer of the BLM.

3. METHODS FOR HANDLING WASTE DISPOSAL

- A. Cuttings will be settled out in either the conventional reserve pit or the blooie pit (while drilling with air). Both pits will be lined with bentonite liners. The pit system will be fenced in accordance with BLM standards.
- B. Drilling fluids will be retained in reserve pits utilizing maximum recirculation during drilling operations. Following drilling, the liquid waste will be evaporated, then the reserve pit will be backfilled and returned to grade.

During air drilling, a "dust killing" mechanism will be employed to minimize the amount of dust actually released to the atmosphere. This dust & cuttings will be discharged into the reserve pit and disposed of as above.
- C. Sewage will be disposed of in fiberglass insulated holding tanks which will be placed in the vicinity of the trailers. The sewage will be hauled to an approved disposal site. Less than

CONFIDENTIAL

1500 gallons of waste water per day will be hauled and treated. The appropriate sanitation permits will be obtained from the Six County Sanitation and Health Department.

- D. Trash will be contained in a portable metal container and hauled periodically to an approved landfill.

4. ANCILLARY FACILITIES

- A. Six to eight trailers will be placed on the drilling location to house the tool pusher, drilling representative, mud engineer, mud logger, geologist, air operators, hammer operator and jet nozzle operator. Refer to Exhibit "F" for rig/layout facilities detail.

5. WELLSITE LAYOUT

- A. The top eight inches of topsoil will be removed from the location and stockpiled. Location of mud tanks, reserve and blooie pits, pipe racks, air compressors, living facilities and soil stockpiles are shown on the attachments marked Exhibits "C", "D" and "F".
- B. All pits will be lined with a bentonite liner.
- C. Access to the well pad will be as indicated on Exhibits "A" and "C".

6. PLANS FOR RESTORATION OF SURFACE

- A. All surface areas will be graded to as near to the original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return the surface to its present appearance and provide soil for seed growth.
- B. The topsoil will be evenly distributed over the disturbed area and reseeded.
- C. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.
- D. Any oil accumulation on the pit will be removed or overhead flagged as dictated by then existing conditions.
- E. Rehabilitation will commence following release of the rig and drying of the pits. The wellsite will be abandoned and all disturbed areas will be recontoured to the natural contour as is possible.

7. DESCRIPTION OF THE PROJECT AREA AND EXISTING ROADS

- A. Sevier Lake Federal 1-29 occupies a small (400' x 400') area just north of the northeastern shore of the Sevier Lake and northwest of Bitterweed Lake. Access to the pad is from an existing unimproved BLM road which is approximately 20 feet south of the well pad's southern boundary.
- B. Twenty (20) feet of access road will be constructed from the existing BLM road onto the proposed well site as indicated on Exhibits "A" and "C".
- C. The two-track existing, unimproved road will need to be upgraded or improved in certain areas. Some minor maintenance may be necessary. Chevron will obtain the appropriate written agreements and/or permits as necessary to use existing roads or authorized rights of way. Documentation will be submitted prior to APD approval.

CONFIDENTIAL

8. TOPSOIL SALVAGING

As required by BLM, Chevron will strip topsoil and stockpile topsoil separately from spoils storage. All available topsoil will be salvaged. During topsoil salvaging, at least eight inches and up to twelve inches of topsoil will be salvaged.

9. EROSION AND SEDIMENT CONTROLS

- A. **Revegetation, Erosion and Sediment Control.** During reclamation of the right-of-way, Chevron will be responsible for assuring compliance with all reclamation requirements. Chevron will use the reclamation and erosion control procedures that are outlined in this plan and according to BLM requirements. However, because field conditions encountered during construction and reclamation cannot be precisely predicted, this plan could be modified to accommodate field conditions and local features encountered.
- B. **Recontouring.** All graded areas will be recontoured to blend into the surrounding landscape and to reestablish the natural drainage patterns. Emphasis during recontouring will be to return the entire right-of-way to its original contour, to stabilize slopes, to control surface drainage and to provide a more aesthetic appearance. Ruts and other scars will be filled.
- C. **Scarification.** Prior to respreading, the right-of-way will be scarified by ripping or chiseling to loosen areas compacted by equipment traffic. Scarifying the subsoil will also promote water infiltration, better soil aeration and root penetration. In sloping areas, scarification is important to provide a rough interface between the topsoil and subsoil to reduce the potential for soil slippage.
- D. **Soil Replacement.** All topsoil salvaged will be uniformly spread over the portions of the right-of-way from where the soil was salvaged. If compaction occurs during this operation, the compacted area will be scarified. Topsoil spreading will not occur during wet periods when soils are easily compacted and the construction contractor will prohibit all travel over retopsoiled areas.
- E. **Erosion Controls.** Waterbars will be used on slopes to reduce erosion from concentrated surface runoff. Waterbars will be spaced depending on soil type and slope grade and other site-specific conditions such as proximity to streams. However, a general spacing guideline will be according to the following criteria:

Grade (%)	Interval (feet)
< 5	none
5-10	150
11-20	100
21-30	75
> 30	50

Waterbars will also be installed at significant grade changes and other appropriate areas along with areas requested by the land management agency. Waterbars will be constructed to drain at approximately a 2% grade, be cut to a minimum of 12 inches in depth below the surface and will originate and end in stable vegetated areas.

If warranted, diversion dikes will be installed at the top of slopes to divert runoff away from slopes. These dikes will be constructed to a height of 1.5 feet or greater, have a top width of two feet, have side slopes flatter than 2:1 and should be compacted to 85% of maximum density. Discharge from these dikes will be to vegetated areas or other stable areas or drainage system.

CONFIDENTIAL

Another important component of erosion and sediment control is to scarify the right-of-way to relieve any compaction and to promote infiltration by reducing runoff. Mulching will also be used on all steep slopes to reduce erosion potential.

Straw bales, silt fences or earth dikes will be placed on the stream-side of the right-of-way where it is adjacent to an intermittent or perennial drainage. Where trenches are constructed across intermittent drainages with the potential to carry sediment to perennial waters, silt catchment dams will be installed. Where necessary, permanent trench breakers would be installed on steep slopes.

- F. Final Reclamation. The reclamation practices outlined in this section will occur on all areas to be seeded. The areas of the right-of-way to be seeded included all graded areas and scalped portions of the right-of-way. Chevron and/or BLM may require seeding of other areas where the vegetative cover has been reduced to a level that may result in erosion or weed invasion.
- G. Seedbed Preparation. Seedbed preparation will be conducted immediately prior to seeding to prepare a firm seedbed conducive to proper seed placement and moisture retention. Seedbed preparation will be performed to break up surface crusts and to eliminate weeds which may have developed between initial reclamation and seeding. In most areas chisel plowing will be used to achieve this surface.
- H. Fertilization. In general, fertilizers will not be added to the right-of-way. If fertilizers are applied, they will be applied during the maintenance period as determined by a professional agronomist. Fertilizers will not be applied to mulched areas within 100 feet of a drainage.
- I. Seed Mixtures. Seed mixtures would be approved by the BLM. Seeding rates will be based on pure live seed. To the extent possible, local sources will be used to supply the seed. Where appropriate, shrub species will be incorporated into seed mixes. Native species of vegetation will also be reestablished by topsoil salvaging.
- J. Seeding Timing. Seeding is anticipated to occur prior to prolonged ground frost, depending on field moisture conditions. Seeding is to be accomplished late enough in the fall so that seeds do not germinate until the following spring. If field conditions in the fall are not conducive for seeding, spring seeding will occur. Spring seeding will be accomplished as early as possible to allow equipment operation without soil damage. If spring seeding is to occur, every effort will be made to prepare the area in the fall so that seeding is not delayed. Mulching will take place in the fall so that disturbed surfaces are protected from erosion during the winter and spring.
- K. Seeding Methods. Drill seeding will occur on all areas except on slopes having greater than 33% grades on soils having significant surface rock. Drilling will be done on the contour as much as possible. In areas where erosion control and water conservation are required or where drilling on the contour is not feasible, broadcast seeding will be used. The seeding rate will be doubled where broadcast and the seed will be lightly covered by dragging with a chain or by hand raking.
- L. Mulching. A weed free straw or hay mulch will be applied to the soils at an application rate of two tons per acre to reduce erosion and to enhance seedling establishment on required slopes.

To reduce sedimentation at streams and drainages, matting on each bank will occur for approximately 100 feet or as necessary based on site-specific conditions. A jute thatching or bonded fiber blankets or mats will be used to stabilize seeded areas. These mats will be securely anchored with pegs or staples. If construction is completed more than 30 days prior to seeding, these areas will be mulched immediately after construction for temporary erosion control.

CONFIDENTIAL

M. Temporary Erosion Control. Temporary sediment barriers, such as silt fences made from geotextile fabric or straw bales, will be erected during construction at the base of slopes at the stream crossings. These structures and temporary waterbars or slope breakers will be constructed where appropriate as determined by the BLM. If needed, spacing of waterbars will occur at the following intervals:

Slope (%)	Spacing (feet)
5 to 15	300
16 to 30	200

Erosion control structures will be repaired on a daily basis during construction and will be maintained until revegetation efforts prove successful.

10. MATERIALS HANDLING AND SPILL PREVENTION, CONTAINMENT AND CONTROL

A. Introduction

It is Chevron's intent to minimize potential for a spill and to contain any spillage to the smallest area possible and to protect areas which are considered environmentally sensitive (i.e., in the vicinity of drainage's, groundwater wells). It is the policy of Chevron to comply with all environmental and safety laws and regulations and to provide training and equipment designed to prevent pollution. It is Chevron's intent that everything practical be done to minimize the potential for and consequences of a spill during construction activities.

B. Hazardous Materials Used During Construction and Spill Prevention Measures.

Potential spills from construction are limited primarily to: 1) diesel used to fuel construction equipment; and (2) lubricating oils used by construction equipment.

To prevent these materials from reaching waterways, hazardous substances, chemicals, fuels and lubricating oils will not be stored within 100 feet of drainages, stream banks or wetlands. No construction equipment refueling or maintenance will be allowed within 100 feet of any drainage, stream bank or wetland. In addition, areas within 200 feet of groundwater wells would not be utilized for these activities.

Any fuel storage tanks will be located inside earthen diked berms designed to hold 1.5 times the capacity of the largest tank within the berm. The diked area will incorporate a compacted clay or artificial liner in its design. The tank will be set directly on the liner. Non-abrasive padding may be used under the tank to provide stability as long as the integrity of the liner is not compromised. The purpose of this liner is to protect soils located under the tank or used in dike construction from contamination. Any spilled materials located on the liner will be removed prior to dismantling the tank and dike.

Prior to their use, the construction contractor will visually inspect fuel storage tanks for cracks, excessive corrosion or other flaws which may compromise the integrity of the tank. Hoses and valves will be similarly inspected. If the construction contractor determines that the equipment is in good mechanical condition, it may be moved onto the construction right-of-way. Otherwise, the equipment will be rejected and alternative equipment in good condition employed. Each tank will be similarly inspected as it is moved down the construction right-of-way. The construction contractor will keep a written record of tank and associated equipment inspections onsite during construction. At the completion of construction, the tank inspection records will be provided to Chevron.

In addition, the construction contractor will inspect the integrity of all dikes and the liner at least twice daily and repair the dikes or replace the liner immediately if they become breached.

CONFIDENTIAL

or torn. Catch basins will be installed at each of the refueling locations to collect residual materials which may drain from hoses used to fuel the construction equipment. Materials collected in the catch basin or spillage collected in the liner will be disposed at a state approved disposal facility or recycled. It is preferable to locate these catch basins within the bermed dike, however, they need to be protected from overflow from storm water.

Precipitation in the region is relatively low. However, if storm water accumulates it may be necessary to drain it from within the diked area containing fuel storage tanks. If the storm water has been contaminated with diesel fuel or other pollutants, all water will be removed by vacuum truck or similar means and hauled to a disposal facility approved by the State of Utah. However, if no oil sheen is present and there are no other visible signs of pollution, the storm water may be left to evaporate within the dike after the tank has been removed. Under no circumstances will the construction contractor allow the surface discharge or other release of water contained within the diked area without the prior approval of the environmental representative of Chevron.

Construction equipment maintenance requiring the draining and replacement of fluids will occur only on areas of the right-of-way approved by Chevron. Before lubricants are drained from the construction equipment, a layer of at least 12-mil lubricants are drained from the construction equipment, a layer of at least 12-mil plastic liner will be placed under the equipment to collect any spilled material. Spilled material will be drained from the liner and disposed with the fluids removed from the construction equipment. Under no circumstances will the construction contractor allow material from the liner to spill on the ground surface.

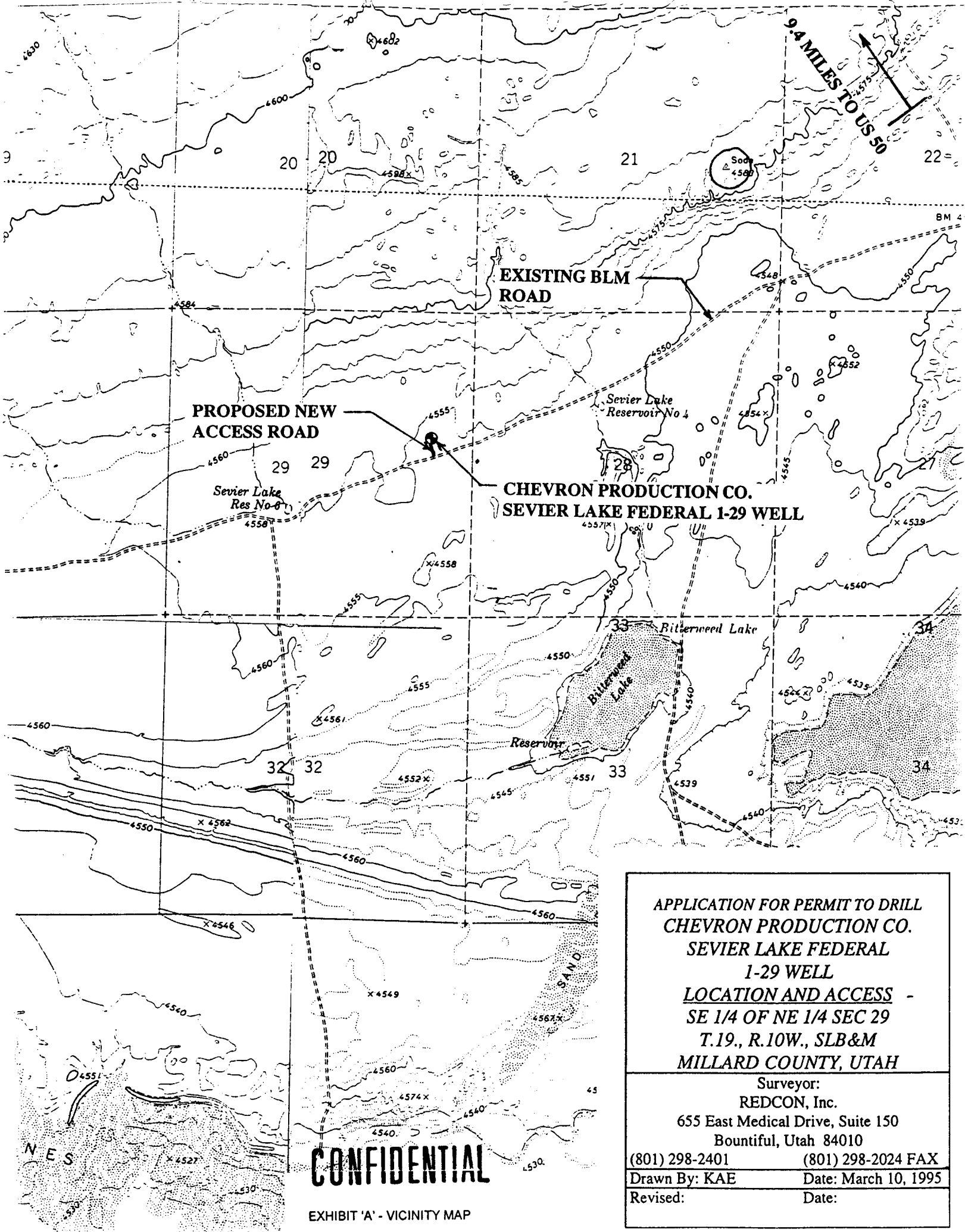
Any soils contaminated by fuels, lubricating oils or other hazardous materials will be cleaned up, removed from the right-of-way and either treated by an approved contractor or hauled to an approved disposal site.

If necessary, Chevron would collect samples of soil strata below the spill to assure that all hydrocarbon contaminated soils have been removed from the site. All materials used to clean up the spill will be double bagged and inspected prior to removal from the spill site. All vegetation contaminated by the spilled material will be similarly collected, bagged and disposed at an approved disposal facility.

11. FINAL STABILIZATION AND MAINTENANCE

Implementation of measures described earlier are designed to assure that final stabilization and minimization of off-site discharges and sedimentation is achieved. If reseeded is judged to be necessary, this plan will be reviewed for any necessary changes needed to improve revegetation success. Maintenance of all temporary and permanent erosion control structures or procedures will occur annually where needed and until revegetation is deemed successful. If rills develop that are greater than six inches in depth, they will be filled and the area will be reseeded and mulched. Additional erosion control structures or procedures will also be implemented if erosion problems exist that are not properly treated with existing practices.

CONFIDENTIAL

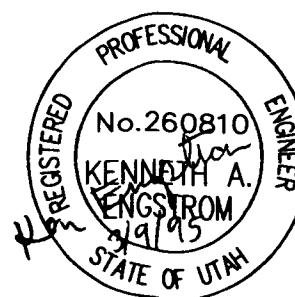


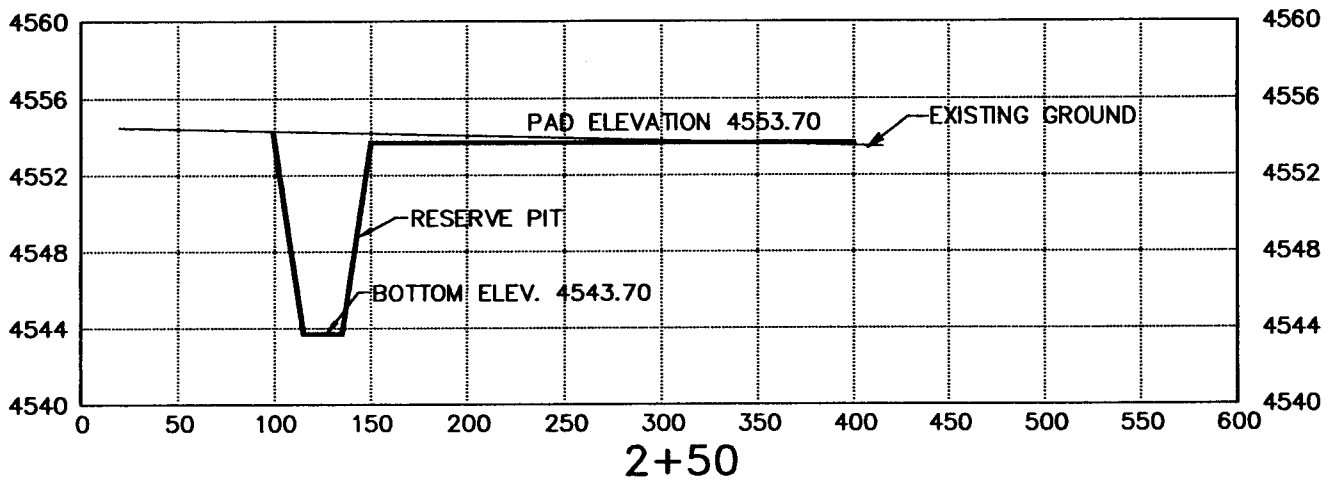
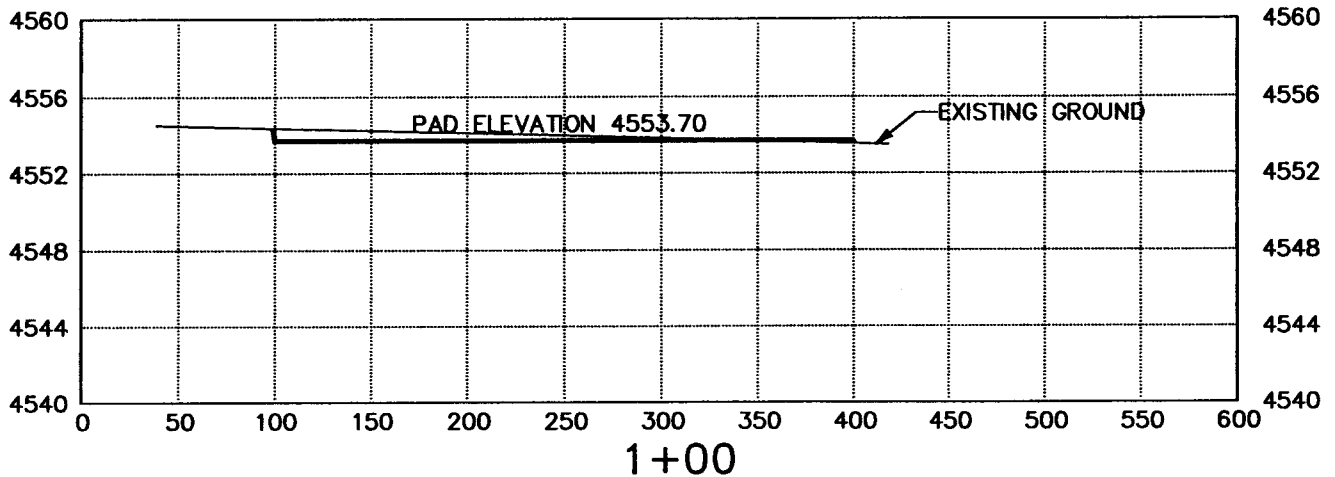
CONFIDENTIAL

EXHIBIT 'A' - VICINITY MAP

APPLICATION FOR PERMIT TO DRILL
CHEVRON PRODUCTION CO.
SEVIER LAKE FEDERAL
1-29 WELL
LOCATION AND ACCESS -
SE 1/4 OF NE 1/4 SEC 29
T.19., R.10W., SLB&M
MILLARD COUNTY, UTAH

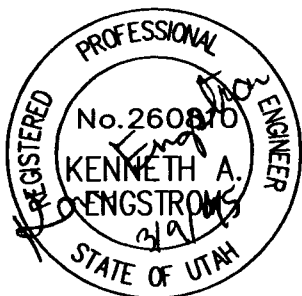
Surveyor: REDCON, Inc. 655 East Medical Drive, Suite 150 Bountiful, Utah 84010 (801) 298-2401 (801) 298-2024 FAX	
Drawn By: KAE	Date: March 10, 1995
Revised:	Date:





SCALE:
HORIZONTAL: 1" = 100'
VERTICAL: 1" = 10'

ALL CUT & FILL SLOPES ARE 1.5 : 1



NOT VALID UNLESS SIGNED

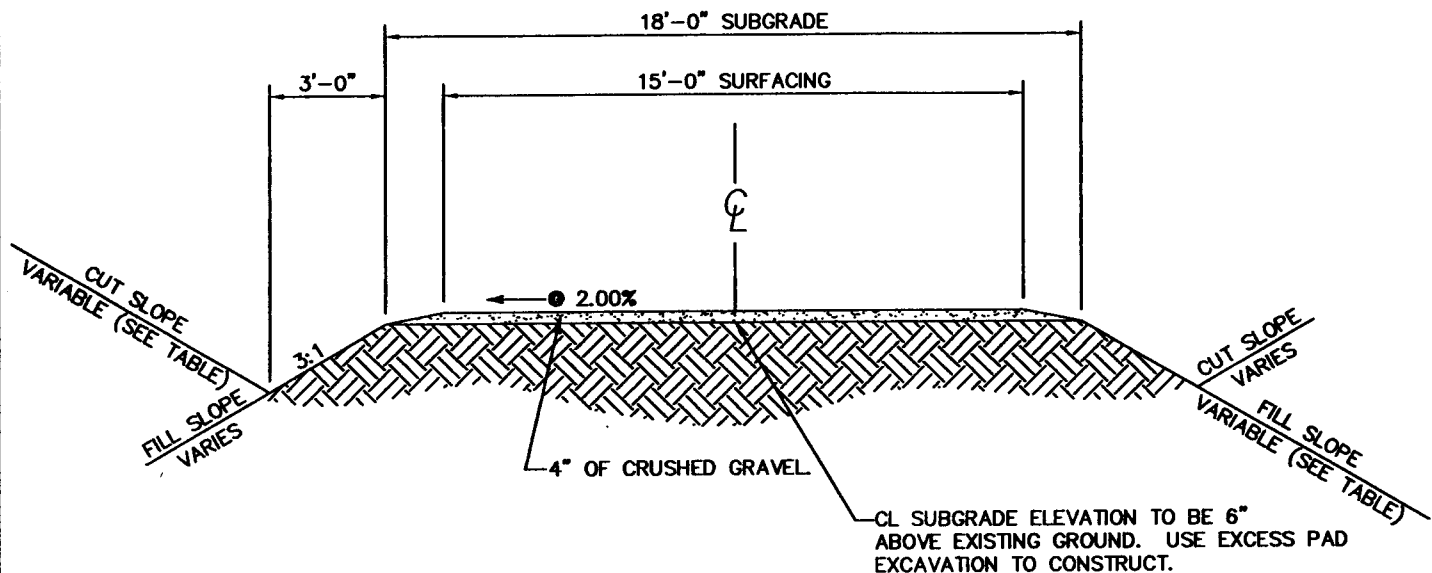
CHEVRON PRODUCTION CO.
SEVIER LAKE FEDERAL 1-29 WELL
WELL PAD CROSS SECTIONS
MILLARD COUNTY, UTAH

REDCON INC.
655 EAST MEDICAL DRIVE, SUITE 150
BOUNTIFUL, UTAH 84010
(801) 298-2401
(801) 298-2024 FAX

DATE: 3-10-95
FILE: C:\SURVEY\SEVIER\SEC29SEC.DWG
DRAWN: K. ENGSTROM
JOB NO: U/534/AE-8
PLOT: STANDARD.PCP

EXHIBIT 'D' - WELL PAD CROSS SECTION

CONFIDENTIAL

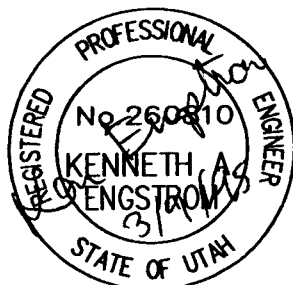


TYPICAL ROADWAY SECTION

CUT/FILL TABLE	
CUT/FILL	SLOPE RATIO
0' TO 4'	4 : 1
4' TO 10'	3 : 1
OVER 10'	2 : 1

NOTE:

1. CRUSHED GRAVEL TO BE UTAH D.O.T. SECTION 301, 1" MINUS GRAVEL COMPACTED TO 4" THICKNESS TO 95% AASHTO T-99 DENSITY.
2. EARTH FILL AND TOP ONE FOOT SUBGRADE COMPACTED TO 95% AASHTO T-99 DENSITY IN 8" MAXIMUM LOOSE LIFTS.



NOT VALID UNLESS SIGNED

**CHEVRON PRODUCTION CO.
SEVIER LAKE FEDERAL 1-29 WELL
ROAD CONSTRUCTION DETAILS
MILLARD COUNTY, UTAH**

**REDCON INC.
655 EAST MEDICAL DRIVE, SUITE 150
BOUNTIFUL, UTAH 84010
(801) 298-2401
(801) 298-2024 FAX**

DATE: 3-10-95
FILE: C:\SURVEY\SEVIER\SEC29DET.DWG
DRAWN: K. ENGSTROM
JOB NO: U/534/AE-8
PLOT: STANDARD.PCP

CHEVRON USA PRODUCTION COMPANY
H₂S Contingency Plan
RIG LAYOUT
Sevier Lake Federal #1-29

- ⊕ Dispersion Fan
- ⊛ Alarm Light
- ⊙ Alarm Siren
- 300 cu. ft. air cylinder
- ⊙ H₂S Detector
- ⊙ 30 min. Rescue Unit
- ⊙ 5 min. SkaPak w/ hose/line
- ⊙ Windsock
- ⊙ Conditions Sign

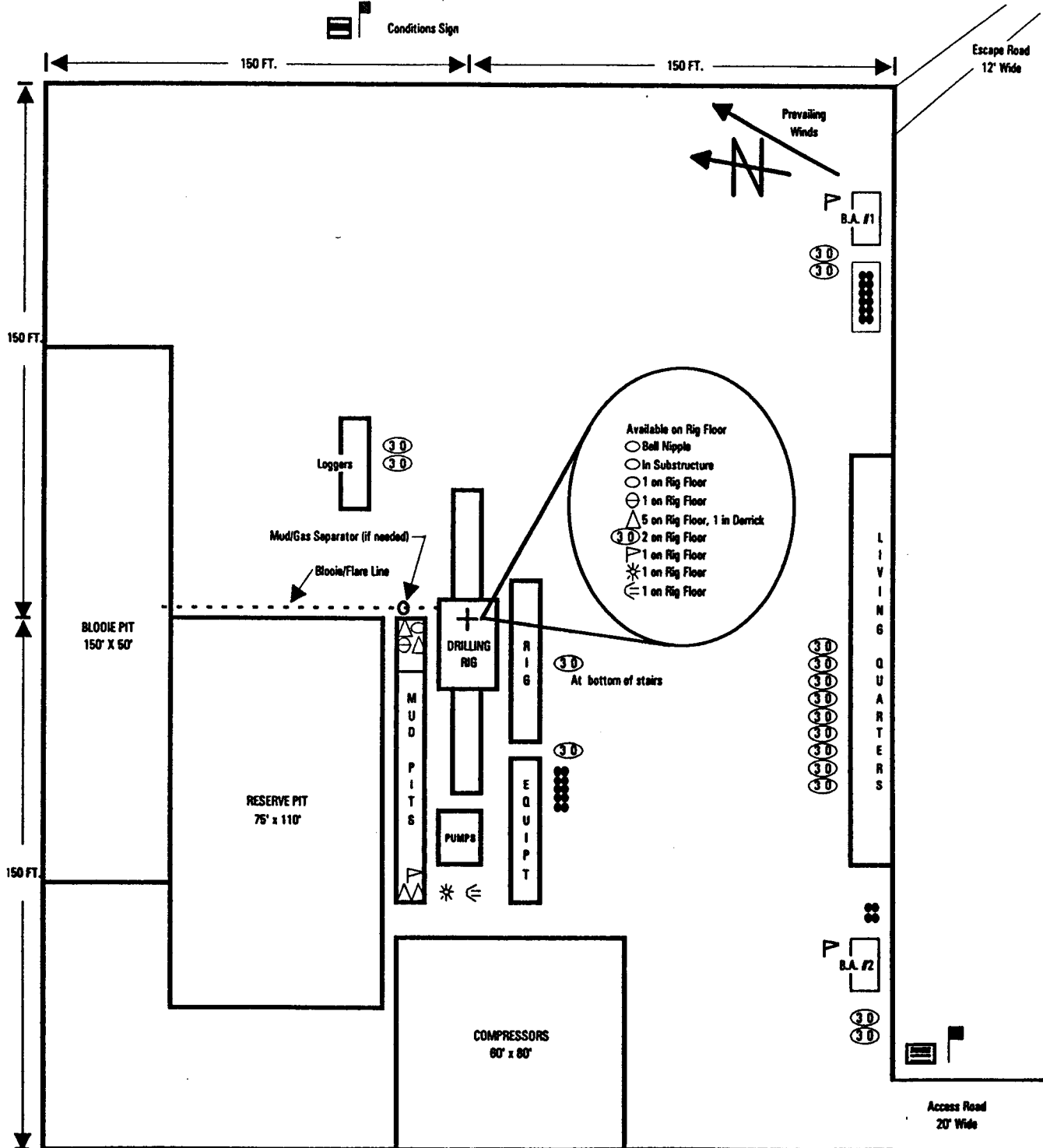


EXHIBIT 'F' - RIG/FACILITIES LOCATION PLAT

CHEVRON U.S.A. PRODUCTION COMPANY

HYDROGEN SULFIDE CONTINGENCY PLAN

SEVIER LAKE FEDERAL #1-29

MILLARD COUNTY, UTAH

CONFIDENTIAL

PURPOSE OF PROGRAM

It is Chevron U.S.A. Production Company practice to provide for the safety of its employees and contractor's employees at the job site, and to provide for the protection of the environment in accordance with applicable laws and regulations.

The primary purpose of this contingency plan is to guide location personnel in the responses expected of them in the event that hydrogen sulfide (H_2S) is liberated during the drilling program.

Hydrogen Sulfide is extremely hazardous to normal oil field operations due to its capability (1) of destroying life at very low concentrations, and (2) of causing instantaneous failure of high strength metals. Drilling and producing operations of hydrocarbons containing toxic gases can, however, be performed safely and without incident when the necessary precautions are taken and the outlined safety procedures are followed. It is imperative that sulfide resistant materials be used, that the proper safety equipment be used, that this equipment be properly maintained, and that all safety regulations be complied with.

The procedures outlined are for your safety and the safety of all others; therefore, it is mandatory that each individual give his one hundred percent cooperation.

RESPONSIBILITIES AND DUTIES

ALL PERSONNEL

1. It is the responsibility of all personnel on location to familiarize themselves with the safety procedures.
2. All personnel will attend to their personal safety first.
3. Help anyone who may be injured or overcome by toxic gases. The Drilling Representative will assign someone to administer first aid to unconscious person(s).
4. Report to the designated "SAFE BRIEFING AREA" and follow the instructions of the Drilling Representative.

DRILLING REPRESENTATIVE

1. It is the responsibility of the Drilling Representative to see that these safety and emergency procedures are observed by all personnel on location.
2. The Drilling Representative will advise the Safety Specialist whenever the procedures as specified herein are complied with or cannot be followed.
3. The Drilling Representative will notify the Safety Specialist at least two weeks before the safety equipment specified herein is needed.
4. The Drilling Representative will keep the number of personnel on location to a minimum during hazardous operations.

5. The Drilling Representative is responsible for designating the "SAFE BRIEFING AREA". This "SAFE BRIEFING AREA" will change depending upon wind direction and must be redesignated as soon as a wind change occurs.
6. If an unexpected emergency occurs or the H₂S alarm sounds, the Drilling Representative will assess the situation and will advise all personnel what condition exists.
7. When it is necessary to secure the location, the access road to location will be blocked, personnel from the rig crew will be used to guard same.

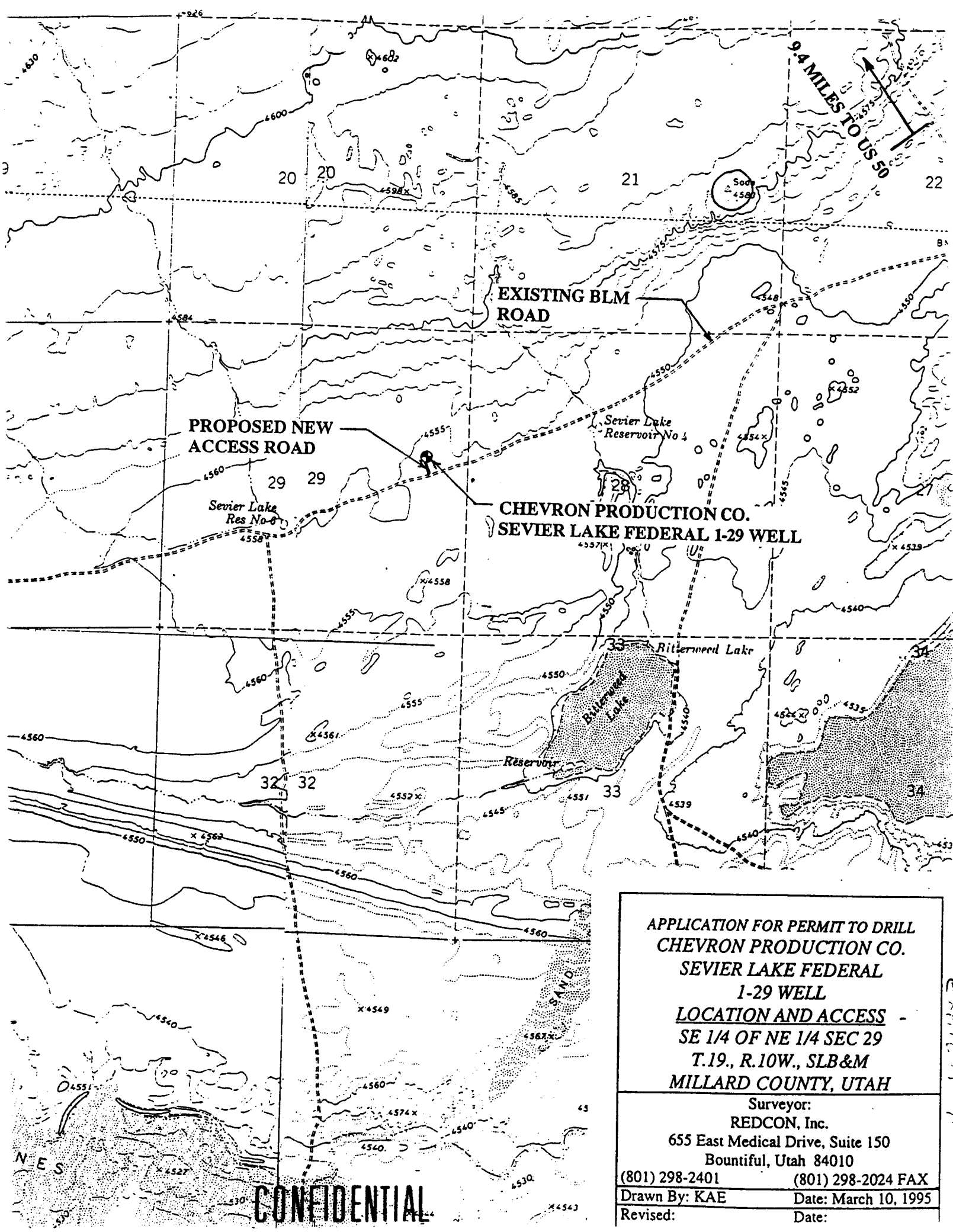
TEMPORARY SERVICE PERSONNEL

All service personnel, such as cementing crews, logging crews, specialists, mechanics, and welders will furnish their own safety equipment as required to comply with OSHA and the contract requirements of Chevron U.S.A. Production Company.

VISITORS

1. VISITORS will be restricted when Hydrogen Sulfide might be encountered, unless accompanied by the DRILLING REPRESENTATIVE for Chevron U.S.A. Production Company.
2. Visitors and non-essential personnel will be prohibited from remaining in or entering contaminated areas where Hydrogen Sulfide concentration in the atmosphere exceeds 10 ppm.

NOTE: WHEN HYDROGEN SULFIDE MIGHT BE ENCOUNTERED, NO PERSONNEL ON LOCATION WILL BE PERMITTED TO SLEEP IN VEHICLES.



APPLICATION FOR PERMIT TO DRILL
CHEVRON PRODUCTION CO.
SEVIER LAKE FEDERAL
1-29 WELL
LOCATION AND ACCESS
SE 1/4 OF NE 1/4 SEC 29
T.19., R.10W., SLB&M
MILLARD COUNTY, UTAH

Surveyor:
REDCON, Inc.
655 East Medical Drive, Suite 150
Bountiful, Utah 84010
(801) 298-2401 (801) 298-2024 FAX
Drawn By: KAE Date: March 10, 1995
Revised: Date:

CONFIDENTIAL

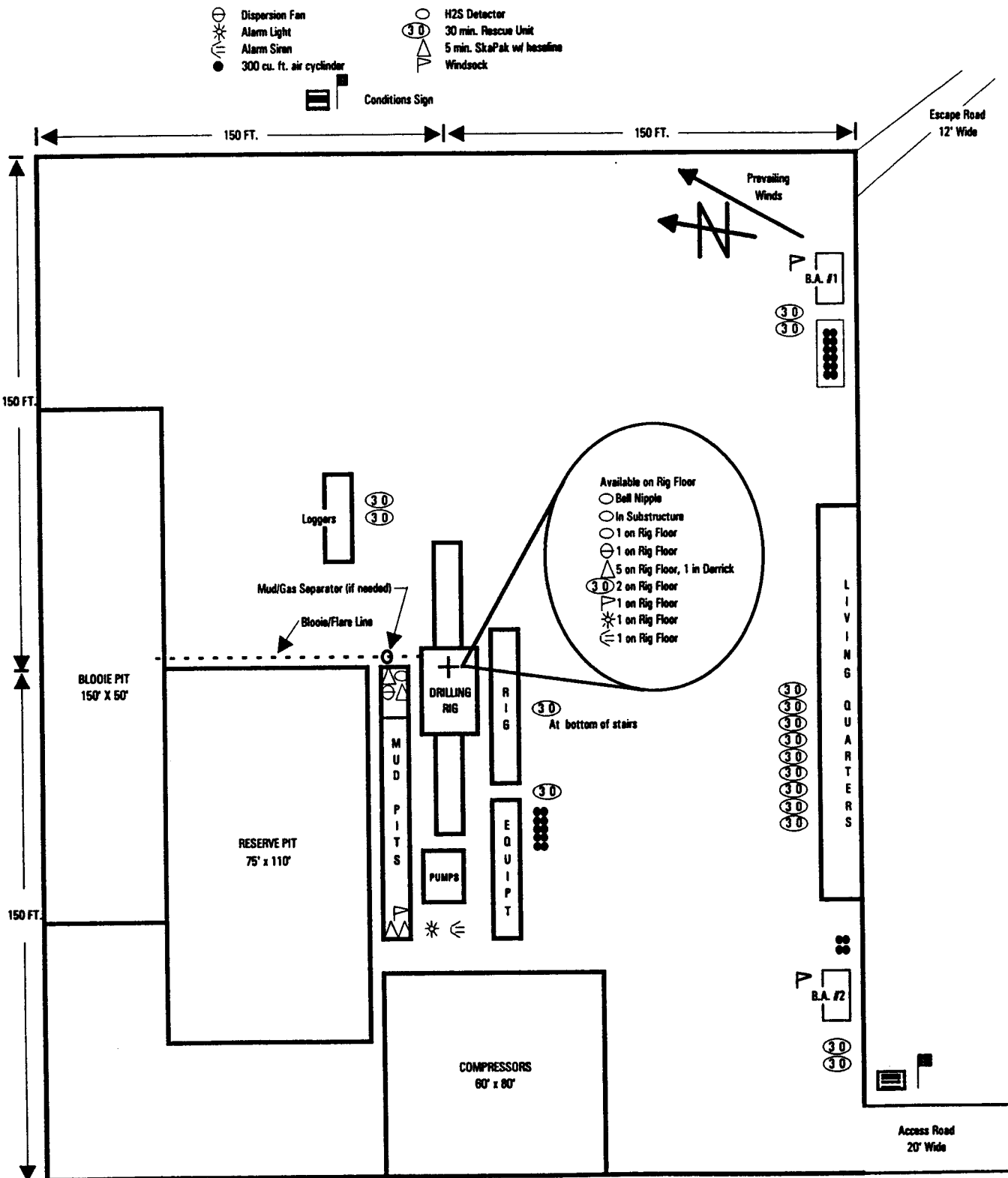
THE DRILL SITE

The location as shown in Figure 2 is planned in order to obtain the maximum safety benefits consistent with the rig configuration, well depth, and prevailing winds.

1. Through the use of several maps, the area within a two-mile radius of the location has been surveyed and contacts with all permanent residents have been made. Except in a dead calm and a tremendous release of high concentration gases, the probability of lethal dosages beyond one mile is extremely unlikely. Note on the rig layout plat, Figure 2, the direction of the prevailing winds.
2. The location of houses, schools, roads, and anything where people may be present and who might need to be warned or evacuated in a crisis have been surveyed. This information with names and telephone numbers are keyed and listed on page 8 and Figure 3 for use if evacuation might be necessary should an emergency develop.
3. The drilling rig, see Figure 2, should be situated at such a location that prevailing winds blow across the rig toward the flare pit.
4. Two (2) SAFE BRIEFING AREAS will be established not less than 100 feet from the wellhead and in locations so that at least one SAFE BRIEFING AREA will be up-wind of the well at all times.
5. Protective equipment will be stored in strategic locations around the wellsite and each of the SAFE BRIEFING AREAS. Such equipment will include Self-Contained Breathing Apparatus (SCBA), First Aid Kits, Eye Wash Station, Stretchers, Hydrogen Sulfide Hand-Operated Detectors and Resuscitators. In the event of an emergency, personnel should assemble at the up-wind SAFE BRIEFING AREA for instructions from their supervisor.
6. Windsocks or streamers will be utilized to give wind directions at several elevations; i.e., tree top, derrick floor level, and 6 to 8 feet above ground level. PERSONNEL SHOULD DEVELOP THE PRACTICE OF ROUTINE OBSERVATION OF WIND DIRECTION.
7. Windbreakers and rig curtains can be removed from around the derrick floor and monkey board, if hazardous amount of H₂S are encountered.
8. Explosion proof ventilating fans (bug blowers) can be positioned to ensure adequate circulation at the derrick floor, cellar area and any other location where hydrogen sulfide is accumulating and needs to be dispersed.
9. When approaching a depth where Hydrogen Sulfide may be encountered, the MUD WILL BE MAINTAINED IN AN OVER-BALANCED CONDITION TO PRECLUDE THE ENTRY OF FORMATION FLUIDS INTO THE WELLBORE and thereby restrict the Hydrogen Sulfide to be treated to that contained in the formation drilled.
10. When approaching a depth where Hydrogen Sulfide may be encountered, appropriate warning signs will be posted.
11. When available, 24-hour radio or telephone communication will be provided at the rig. Emergency telephone numbers will be prominently posted: SHERIFF'S DEPARTMENT, AMBULANCE, HOSPITALS, DOCTORS, AND OPERATORS' SUPERVISORY PERSONNEL.

12. Filter-type gas masks are not suitable for use on drilling rigs. Pressure demand, SCBA's will be provided for use in any Hydrogen Sulfide concentration. They are not physically exhausting to use, are rugged and dependable, and require little maintenance.
13. SCBA's will be stored on racks and protected from the weather. Rig crew equipment will be located at a readily accessible location on the rig floor. For hygienic reasons, SCBA's are to be cleaned and sterilized at regular intervals. Employees working derricks will be equipped with a connection through a quick-disconnect from his system of breathing air so that if he must evacuate the derrick, he will have a full air bottle with his SCBA. A six-outlet air supply manifold will be installed on the rig floor for continuous use by crews and supervisory personnel working in a "masks-on" situation. The multi-bottle supply cylinder is to be located at approximately 150 feet from the well. A minimum of 3,600 cu. ft. of compressed breathing air will be on location at all times.
14. An alarm system which can be heard during operations and which can be activated from several points if gas is detected will be installed. When the alarm is sounded, personnel must assemble at the BRIEFING AREA.
15. There will be NO SMOKING on rig floor or near wellhead. Designated Smoking Areas will be provided by the Rig Supervisor.
16. Safety meetings and training sessions will be held at frequent intervals by the Safety Specialist, or the Drilling Representative. All persons required to work on location will be thoroughly familiar with the use, care and servicing of the following: Personal protective equipment, resuscitation equipment, and gas detection equipment.
17. All electric lighting, wiring, and electrical devices within 100 feet of the well will be put in vapor-proof condition to minimize the possibility of explosion.
18. Blowout preventers should meet or exceed the recommendations for hydrogen sulfide service (API RP 53). Choke manifolds will be of similar materials.
19. Inspection of installation, operation, and testing of blowout preventers, choke manifolds, etc., dressed for Hydrogen Sulfide services, will be conducted as required by Oil and Gas Order #6.
20. An accurate bottomhole location by use of single shot directional surveys will be maintained so that the well can be intercepted if it becomes necessary.
21. Every person involved in the operation will be informed of the characteristics of Hydrogen Sulfide and its dangers, safe procedures to use when it is encountered and recommended first aid procedures. This will be done through frequent safety talks and training sessions.
22. Personnel are required to have H₂S/SCBA certification and must be clean shaven to provide a safe seal of the respiratory equipment.

CHEVRON USA PRODUCTION COMPANY
H₂S Contingency Plan
RIG LAYOUT
Sevier Lake Federal #1-29



RESIDENCES WITHIN TWO-MILE RADIUS OF SEVIER LAKE FEDERAL 1-29

Map Reference	Name of Resident	No. of Persons	Telephone
---------------	------------------	----------------	-----------

__Figure 3__None__0__n/a

CONFIDENTIAL

FIGURE 3

Sevier Lake Federal 1-29

Sevier Lake Reservoir No. 1

Sevier Lake Res No 4

Bullhead Lake

Bullhead Reservoir

Bullhead Dam

Bullhead Reservoir No. 2

Bullhead Reservoir No. 3

Bullhead Reservoir No. 4

Bullhead Reservoir No. 5

Bullhead Reservoir No. 6

Bullhead Reservoir No. 7

Bullhead Reservoir No. 8

Bullhead Reservoir No. 9

Bullhead Reservoir No. 10

Bullhead Reservoir No. 11

Bullhead Reservoir No. 12

Bullhead Reservoir No. 13

Bullhead Reservoir No. 14

Bullhead Reservoir No. 15

Bullhead Reservoir No. 16

Bullhead Reservoir No. 17

Bullhead Reservoir No. 18

Bullhead Reservoir No. 19

Bullhead Reservoir No. 20

Bullhead Reservoir No. 21

Bullhead Reservoir No. 22

Bullhead Reservoir No. 23

Bullhead Reservoir No. 24

Bullhead Reservoir No. 25

Bullhead Reservoir No. 26

Bullhead Reservoir No. 27

Bullhead Reservoir No. 28

Bullhead Reservoir No. 29

Bullhead Reservoir No. 30

Bullhead Reservoir No. 31

Bullhead Reservoir No. 32

Bullhead Reservoir No. 33

Bullhead Reservoir No. 34

Bullhead Reservoir No. 35

Bullhead Reservoir No. 36

Bullhead Reservoir No. 37

Bullhead Reservoir No. 38

Bullhead Reservoir No. 39

Bullhead Reservoir No. 40

CONFIDENTIAL

Application for Permit to Drill
Chevron U.S.A. Production Company
Sevier Lake Federal 1-29
SENE Section 29-T19S-R10W
Millard Co., Utah

FIGURE 3

Sevier Lake Federal 1-29

Sevier Lake Reservoir No. 1

Sevier Lake Res No 4

Bullhead Lake

Bullhead Reservoir

Bullhead Dam

Bullhead Reservoir No. 2

Bullhead Reservoir No. 3

Bullhead Reservoir No. 4

Bullhead Reservoir No. 5

Bullhead Reservoir No. 6

Bullhead Reservoir No. 7

Bullhead Reservoir No. 8

Bullhead Reservoir No. 9

Bullhead Reservoir No. 10

Bullhead Reservoir No. 11

Bullhead Reservoir No. 12

Bullhead Reservoir No. 13

Bullhead Reservoir No. 14

Bullhead Reservoir No. 15

Bullhead Reservoir No. 16

Bullhead Reservoir No. 17

Bullhead Reservoir No. 18

Bullhead Reservoir No. 19

Bullhead Reservoir No. 20

Bullhead Reservoir No. 21

Bullhead Reservoir No. 22

Bullhead Reservoir No. 23

Bullhead Reservoir No. 24

Bullhead Reservoir No. 25

Bullhead Reservoir No. 26

Bullhead Reservoir No. 27

Bullhead Reservoir No. 28

Bullhead Reservoir No. 29

Bullhead Reservoir No. 30

Bullhead Reservoir No. 31

Bullhead Reservoir No. 32

Bullhead Reservoir No. 33

Bullhead Reservoir No. 34

Bullhead Reservoir No. 35

Bullhead Reservoir No. 36

Bullhead Reservoir No. 37

Bullhead Reservoir No. 38

Bullhead Reservoir No. 39

Bullhead Reservoir No. 40

Highway 12

Highway 13

Highway 14

Highway 15

Highway 16

Highway 17

Highway 18

Highway 19

Highway 20

Highway 21

Highway 22

Highway 23

Highway 24

Highway 25

Highway 26

Highway 27

Highway 28

Highway 29

Highway 30

Highway 31

Highway 32

Highway 33

Highway 34

Highway 35

Highway 36

Highway 37

Highway 38

Highway 39

Highway 40

CONFIDENTIAL

Application for Permit to Drill
Chevron U.S.A. Production Company
Sevier Lake Federal 1-29
SENE Section 29-T19S-R10W
Millard Co., Utah

[illegible]

NAMES AND DUTIES OF PERSONS WITH PRIME RESPONSIBILITIES

A. CHEVRON PRODUCTION COMPANY

(713) 754-2000

Name: D.A. Haddock

Drilling Project Manager

Business Phone:

(713) 754-5079

Name: TO BE SUPPLIED AT SPUD

Drilling Representative

Name: TO BE SUPPLIED AT SPUD

Drilling Representative

Name: TO BE SUPPLIED AT SPUD

Drilling Representative

Business Phone:

TO BE SUPPLIED AT SPUD

B. DRILLING CONTRACTOR

Name: TO BE SELECTED LATER

Address: SUPPLIED LATER

Name/Title: TO BE SUPPLIED LATER

Business Phone:

C. SAFETY CONTRACTOR

Name: TO BE SELECTED LATER

Address: SUPPLIED LATER

Name/Title: TO BE SUPPLIED LATER

Business Phone:

CONFIDENTIAL

SEVIER LAKE FEDERAL

EMERGENCY TELEPHONE NUMBERS

AMBULANCE	Delta	911
HOSPITAL	Delta Community Medical Ctr.	(801) 864-5591
	Fillmore Community Medical	(801) 743-5591
MEDICAL HELICOPTER	Salt Lake City-Life Flight	(801) 321-1234
LAW ENFORCEMENT	Millard County Sheriff	911
	Delta	(801) 864-2755
	Fillmore	(801) 743-5302
FIRE	Delta	911
CHEVRON SAFETY ENGINEER	Monty Hewett	(303) 675-3735
CHEVRON ENVIRONMENTAL SPECIALIST	Robin Smith	(713) 754-5046
BLM - OIL & GAS	Rex Rolle	(801) 743-6811
BURN CENTER	University of Utah - SLC	(801) 581-2340
POISON CONTROL	Salt Lake City	(800) 581-2340
NATIONAL RESPONSE CENTER	Oil & Toxic Chemical Spills	(800) 424-8802

CONFIDENTIAL

PHYSICAL AND CHEMICAL PROPERTIES
OF HYDROGEN SULFIDE (H₂S)

1. Extremely toxic (almost as toxic as Hydrogen Cyanide and 5 to 6 times as toxic as Carbon Monoxide).
2. Colorless.
3. Offensive odor, often described as that of rotten eggs.
4. Heavier than air - specific gravity 1.189 (Air = 1.000 @ 60°F.). Vapors may travel considerable distance to a source of ignition and flash back.
5. Forms an explosive mixture with a concentration between 4.3 and 46 percent by volume with auto-ignition occurring at 500°F.
6. Burns with a blue flame and produces Sulfur Dioxide (SO₂), which is less toxic than Hydrogen Sulfide but very irritating to eyes and lungs and causes serious injury.
7. Soluble in both water and liquid hydrocarbons.
8. Produces irritation to eyes, throat and respiratory system.
9. Threshold Limit Value (TLV) - Maximum of eight hours exposure at 10 ppm.
10. Corrosive to all electrochemical series metals.
11. Boiling Point (-79°F).
12. Melting Point (-177°F).

PHYSICAL EFFECTS OF HYDROGEN SULFIDE POISONING

THE PRINCIPAL HAZARD IS DEATH BY INHALATION. When the amount of gas absorbed into the blood stream exceeds that which is readily oxidized, systemic poisoning results, with a general action on the nervous system. Labored respiration occurs shortly, and respiratory paralysis may follow immediately at concentrations of 700 ppm and above. This condition may be reached almost without warning as the originally detected odor of Hydrogen Sulfide may have disappeared due to olfactory paralysis. Death then occurs from asphyxiation unless the exposed person is removed immediately to fresh air and breathing stimulated by artificial respiration. Other levels of exposure may cause the following symptoms individually or in combinations:

- a. Headache
- b. Dizziness
- c. Excitement
- d. Nausea or gastro-intestinal disturbances
- e. Dryness and sensation of pain in nose, throat and chest
- f. Coughing
- g. Drowsiness

All personnel should be alerted to the fact that detection of Hydrogen Sulfide solely by smell is highly dangerous as the sense of smell is rapidly paralyzed by the gas.

H2S TOXICITY TABLE

1 ppm	=	.0001%	(1/10,000 of 1%)	Can smell
10 ppm	=	.001%	(1/1000 of 1%)	Allowable for .8 hours' exposure. OVER THE ALLOWABLE CONCENTRATION, PROTECTIVE EQUIPMENT WILL BE NECESSARY.
100 ppm	=	.01%	(1/100 of 1%)	Kills smell in 3 to 15 minutes. May burn eyes and throat.
200 ppm	=	.02%	(2/100 of 1%)	Kills smell rapidly. Burns eyes and throat.
500 ppm	=	.05%	(5/100 of 1%)	Looses sense of reasoning and balance. Respiratory disturbance in 2 to 15 minutes. Needs prompt artificial resuscitation.
700 ppm	=	.07%	(7/100 of 1%)	Will become unconscious quickly. Breathing will stop and death result if not rescued promptly. Immediate artificial resuscitation.
1,000 ppm	=	.10%	(1/10 of 1%)	Unconscious at once. PERMANENT BRAIN DAMAGE MAY RESULT UNLESS RESCUED PROMPTLY.

ppm = Parts of gas per million parts of air by volume.

1% = 10,000 ppm

RESUSCITATION CHART

DID YOU KNOW ?

THERE IS NO TIME TO WASTE
WHEN BREATHING STOPS!

ARTIFICIAL RESUSCITATION MUST BE STARTED IMMEDIATELY!!!

After Breathing is Stopped for:

The Chances for Life are:

1 Minute	98	out of	100	
2 Minutes	92	out of	100	
3 Minutes	72	out of	100	
4 Minutes	50	out of	100	
5 Minutes	25	out of	100	*
6 Minutes	11	out of	100	*
7 Minutes	8	out of	100	*
8 Minutes	5	out of	100	*
9 Minutes	2	out of	100	*
10 Minutes	1	out of	100	*
11 Minutes	1	out of	1,000	*
12 Minutes	1	out of	10,000	*

* Irreparable brain damage starts at about the fifth minute.

COOL-HEADED ACTION IN RESCUE IS CRITICAL

TREATMENT FOR HYDROGEN SULFIDE POISONING

INHALATION

As Hydrogen Sulfide in the blood oxidizes rapidly, symptoms of acute poisoning pass off when inhalation of the gas ceases. It is important, therefore, to get the victim of poisoning to fresh air as quickly as possible. He should be kept at rest and chilling should be prevented. If respiration is slow, labored, or impaired, artificial respiration may be necessary. Most persons overcome by Hydrogen Sulfide may be revived if artificial respiration is applied before the heart action ceases. Victims of poisoning should be under the care of a physician as soon as possible. Irritation due to sub-acute poisoning may lead to serious complications such as pneumonia. Under those conditions, treatment by the physician necessarily would be symptomatic. The patient should be kept in fresh air, and hygienic conditions should be watched carefully.

CONTACT WITH EYES

Eye contact with liquid and/or gas containing Hydrogen Sulfide will cause painful irritation (conjunctivitis). Keep patient in a darkened room, apply ice compresses to eyes, put ice on forehead, and send for a physician. Eye irritation caused by exposure to Hydrogen Sulfide requires treatment by a physician, preferably an eye specialist. The progress to recovery in these cases is usually good.

CONTACT WITH SKIN

Skin absorption is very low. Skin discoloration is possible after contact with liquids containing Hydrogen Sulfide. If such skin contact is suspected, the area should be thoroughly washed.

EFFECTS OF HYDROGEN SULFIDE ON METAL

Hydrogen Sulfide dissolves in water to form a weak acid that can cause some pitting, particularly in the presence of oxygen and/or carbon dioxide. However, the most significant action of H_2S is its contribution to a form of hydrogen embrittlement known as sulfide stress cracking. Sulfide stress cracking is a result of metals being subjected to high stress levels in a corrosive environment where H_2S is present. The metal will often fail catastrophically in a brittle manner. Sulfide stress cracking of steel is dependent upon and determined by:

- a. Strength (hardness) of the steel - the higher the strength, the greater the susceptibility to sulfide stress cracking. Steels having yield strengths up to 95,000 psi and hardness up to Rc22 are generally resistant to sulfide stress cracking. These limitations can be extended slightly higher for properly quenched and tempered materials.
- b. Total member stress (load) - the higher the stress level (load) the greater the susceptibility to sulfide stress cracking.
- c. Corrosive environment - corrosive reactions, acids, bacterial action, thermal degradation, or low PH fluid environment.

Use as protection against sulfide stress cracking, all casing, BOP and safety equipment should be of H_2S resistant material.

CASING GRADES ACCEPTABLE FOR H₂S SERVICE

<u>CASING GRADE</u>	<u>H₂S SERVICE</u>	<u>COMMENTS**</u>
H-40	YES	-----
K-55	YES	-----
C-75	YES	-----
N-80	CONDITIONAL (Tempered)	ABOVE 200° F
L-80	YES	-----
MN-80	YES	-----
C-90	YES	-----
C-95	YES	-----
S-95	NO	ABOVE 200° F
S00-95	NO	ABOVE 200° F
SS-95	YES	ABOVE 200° F
S-105	NO	ABOVE 200° F
S00-90	YES	ABOVE 200° F
P-110	NO	ABOVE 200° F
S-135	NO	ABOVE 200° F
V-150	NO	ABOVE 200° F

* Service conditions for any H₂S environment.

** Denotes usable grades above 200° F.

DRILL PIPE GRADES FOR H₂S SERVICE

<u>GRADE</u>	<u>H₂S SERVICE</u>
D	YES
E	YES
X-95	YES
G-105	NO
S-135	NO
ALUMINUM	YES

DRILL STEM TEST

Open hole DST's will not be conducted in known H₂S intervals.

CONFIDENTIAL

H₂S SAFETY EQUIPMENT ON LOCATION

(PROVIDED BY SAFETY SPECIALIST)

1. Safety Trailer with a cascade system of 10-300 cu. ft. bottles of compressed breathing air complete with high pressure regulator, providing five men approximately 7 hours of breathing air.
2. Low Pressure Air Line (Approximately 1,000 feet depending on location). Equipped with quick connects.
3. One low pressure manifold system with six outlets.
4. Ten Scott Pressure Pac IIA, 30 minute pressure demand breathing apparatus NIOSH, MESA and USGS approved.
5. Six airline breathing apparatus c/w 7 cu. ft. egress cylinders.
6. Emergency Escape Unit (Robert Shaw) - optional.
7. "TAC" H₂S 3-Channel Monitor for multiple point continuous detection, each monitoring point is capable of activating remote audio and visual alarm system.
8. One Bendix Gastec, portable hand operated pump type detector with low and high range H₂S detector tubes.
9. One OW2 Portable Oxygen Resuscitator.
10. One 24 Unit First Aid Kit.
11. One stretcher (Ferro Folding).
12. One Eye Wash Station.
13. Three Wind Socks with poles.
14. One High Pressure Compressed Air Refill Hose.
15. One H₂S Condition Sign w/Flags.
16. One Fire Blanket.
17. One Light Explosion Proof.
18. One Siren Explosion Proof.
19. Traffic Cones as needed.
20. Two 300 cu. ft. bottles with Briefing Area Stand.

NOTE: MORE EQUIPMENT WILL BE ADDED IF WELL CONDITIONS REQUIRE.

IGNITING THE WELL

RESPONSIBILITY

THE DECISION TO IGNITE THE WELL IS THE RESPONSIBILITY OF THE DRILLING REPRESENTATIVE. In the event he is incapacitated, it becomes the responsibility of the Rig Tool Pusher. This decision should be made only as a last resort and in a situation where it is clear that:

1. Human life and property are endangered.
2. No hope exists for controlling the blowout under prevailing conditions at the well.

Notify the Denver ESF&H Staff, if time permits, but do not delay if human life is in danger. Initiate first phase of evacuation plan.

INSTRUCTIONS FOR IGNITING THE WELL

1. Two people are required for the actual igniting operation. They must wear self-contained breathing units and have a safety rope attached. One man will check the atmosphere for explosive gases with the Explosimeter. The other man is responsible for igniting the well.
2. Primary method to ignite: Meteortype Flare Gun.
3. Ignite upwind and do not approach any closer than is warranted.
4. Select the ignition site which is best for protection.
5. Select area for hasty retreat.
6. BEFORE FIRING, check regarding combustible gases.
7. Since Hydrogen Sulfide converts to Sulfur Dioxide, the area is not safe after igniting the well.
8. After igniting, continue emergency action and procedure as before.
9. All unassigned personnel will limit their actions to only those directed by the Drilling Representative.

REMEMBER: AFTER WELL IS IGNITED, HYDROGEN SULFIDE WILL CONVERT TO SULFUR DIOXIDE, WHICH IS ALSO HIGHLY TOXIC. DO NOT ASSUME THE AREA IS SAFE AFTER THE WELL IS IGNITED.

BLOWOUT PREVENTION EQUIPMENT

1. A kill line of ample strength and length will be laid to a safe point to allow pumping into the well in an emergency situation.
2. The closing unit should be located a safe distance from the wellbore and positioned for maximum utilization based on the prevailing wind direction.
3. BOP equipment will be tested as required by Onshore Order #2.
4. All equipment should be H₂S trimmed for service in sour gas environments.

SPECIAL EQUIPMENT

1. If a MUD-GAS SEPARATOR is installed, it will be installed with one or more flare lines.
2. Flare lines should be as long as practical and securely staked.
3. An automatic Hydrogen Sulfide monitor will be installed with a combination visual and audible alarm system located where it can be seen and or heard throughout the drilling location. This system will have the capabilities of being activated from several points, which are the rig floor, cellar and shale shaker.
4. The automatic monitor should be set to trigger the drilling location visual/audible alarms when the Hydrogen Sulfide concentration in the atmosphere reaches 10 ppm. Explosion proof lights and sirens will be provided at or near the rig floor and such that all personnel will be subject to visual and audible warning.

MUD ADDITIVES

DRILLING FLUID RECOMMENDATION

MUD TYPE

The primary drilling fluid will be air. At the first indication of any concentration of H₂S gas will, the drilling fluid program will convert to an overbalanced mud with necessary additives for all stabilization.

In the event of H₂S contamination of the mud system, Hydrogen Sulfide Scavengers should be added to the mud.

Quantities of zinc carbonate or ironite sponges can be stored on location should H₂S neutralizer be necessary.

EMERGENCY DRILLS

Hydrogen Sulfide Alarm Drills

The Safety Specialist will conduct frequent H₂S emergency drills for each crew by manually activating the H₂S detector. When lights flash, all personnel on location will assemble at the Upwind Briefing Area. A head count will be taken at this time to determine if rescue operations are indicated. The Safety Specialist must be notified if more personnel are on location than during normal operations. A "Masks On" policy will prevail until the all clear is sounded. These drills will be implemented as frequently as required to familiarize all personnel with the procedures to be followed in the event an actual emergency occurs.

CONFIDENTIAL

**A CLASS III CULTURAL RESOURCES INVENTORY FOR CHEVRON'S SEVIER LAKE FEDERAL 1-29
DRILL PAD AND ACCESS ROAD IN MILLARD COUNTY, UTAH (SECTION 29, T. 19 S, R. 10 W)**

Prepared For:

**U.S.D.I./Bureau of Land Management
Warm Springs Resource Area Office
35 East 500 North
P. O. Box 778
Fillmore, Utah 84631**

Prepared Under Contract With:

**Chevron U.S.A. Production Company
Western Exploration Division
P. O. Box 1635
Houston, Texas 77251**

Prepared and Submitted By:

**DESERT WEST RESEARCH, INC.
P. O. Box 520427
Salt Lake City, Utah 84152-0427**

13 February 1995

U.S.D.I./Bureau of Land Management Cultural Resources Use Permit No. 94UT55125

State of Utah Antiquities Survey Project No. U-95-WZ-047b

DESERT WEST RESEARCH TECHNICAL REPORT NO. 115

CONFIDENTIAL

COVER PAGE
Must Accompany All Project Reports
Submitted to Utah SHPO

Project Name: Sevier Lake Federal 1-29

State Proj. No.: U-95-WZ-047b

Report Date: February 1995

Principal Investigator: Kristopher R. Carambelas

Field Supervisor(s): Kristopher R. Carambelas

Acreage Surveyed

Intensive: 8.26 acres

Recon/Intuitive: 0 acres

7.5' Series USGS Reference(s): Rocky Knoll, Utah

Sites Reported	Count	Smithsonian Site Numbers
Archaeological Sites		
Revisits (no inventory form update)	0	Not Applicable
Revisits (updated IMACS site inventory form attached)	0	Not Applicable
New Recordings (IMACS site inventory form attached)	0	Not Applicable
Total Count of Archaeological Sites	0	Not Applicable
Historic Structures (USHS 106 Site info form attached)	0	Not Applicable
Total National Register Eligible Sites	0	Not Applicable

Checklist of Required Items

1. X Copy of the Final Report.
2. X Copy of 7.5' Series USGS Map with Surveyed/Excavated Area Clearly Identified.
3. ___ Completed IMACS Site Inventory Forms, Including
 - n.a. Parts A and B or C,
 - n.a. The IMACS Encoding Form,
 - n.a. Site Sketch Map
 - n.a. Photographs, and
 - n.a. Copy of the Appropriate 7.5' Series USGS Map w/the Site Location Clearly Marked and Labelled w/the Smithsonian Site Number.
4. n.a. Completed "Cover Sheet" Accompanying Final Report and Survey Materials.

CONFIDENTIAL

Comments:

1. Report Title S E V I E R L A K E F E D 1 - 2 9 11 40

2. Development Company: Chevron U.S.A. Production Co., Western Exploration Division, Houston, TX

3. Report Date

1 3 1 9 9 5
41 42 43 Year 46

4. Antiquities Permit No.: 94UT55125

5. Responsible Institution

D E S E R T W E S T R E S 47 61

County: Millard

6. Fieldwork Location

TWN 1 9 S Range 1 9 W Section(s)

62 65 66 69 70 71 72 73 74 75 76 77

TWN 78 81 82 85 86 87 88 89 90 91 92 93

7. Resource Area

W S TWN 94 97 98 101 102 103 104 105 106 107 108 109
110 111PO=PONY EXPRESS, BR=BEAR RIVER, PR=PRICE RIVER, WS=WARM SPRINGS, BO=BOOK CLIFFS,
HR=HOUSE RANGE, SE=SEVIER RIVER, HM=HENRY MOUNTAINS, BE=BEAVER RIVER, DX=DIXIE,
DA=KANAB, ES=ESCALANTE, SJ=SAN JUAN, GR=GRAND, SR=SAN RAFAEL, DM=DIAMOND MOUNTAINFill in spaces 65, 69, 81, 85, 97, 101 only if: V=Vernal
Meridian or H=Half Township

8. Description of Examination Procedures: 15 m parallel transects throughout entire 400 x 400 ft. drill pad, plus a 200 ft. buffer zone around the pad. In sum, inventory included a 600 x 600 ft. area.

9. Linear Miles Surveyed
and/or8 8 8 8 8 8
112 117

10. Inventory Type

I

R=reconnaissance, I=intensive, S=Statistical Sample 130

Definable Acres Surveyed
and/or8 8 8 8 8 8
118 123*Legally Undefinable Acres
Surveyed8 8 8 8 8 8
124 129

(* A parcel hard to cadastrally locate i. e., center of section)

11. Description of Findings (attach appendices, if
appropriate)

12. Number of Site Found: No Sites=0

8 8 8 8 8
131 135

13. Collections:

8
136

14. Actual/Potential National Register Properties Affected: None.

15. Literature Search, Location/Date: Assisted by Antiquities Section staff over the phone on 13 February 1995; personal phone call to Dr. Nancy Shearin, Warm Springs Resource Area Archaeologist, to discuss recent investigations in the area.

CONFIDENTIAL

16. Conclusions/Recommendations: The proposed undertaking will have no effect on any National Register eligible properties. All activities should remain within the 600 x 600 ft. project area.

17. Signature of Administrator & Field Supervisor:

Administrator



Field Supervisor



*For extra locationals use additional 8100-3 Forms.

CONFIDENTIAL

I. ABSTRACT

Chevron U.S.A. Production Company intends to locate an exploratory well and access road in a portion of Section 29, T. 19 S, R. 10 W in Millard County, Utah. The well and access road are situated on lands administered by the Bureau of Land Management, Warm Springs Resource Area. Desert West Research, Inc. conducted a Class III cultural resources inventory of the proposed well pad and access road in February 1995 and found no cultural resources. Neither the well pad nor access road will affect any National Register eligible properties.

II. INTRODUCTION

The Western Exploration Division of Chevron U.S.A. Production Company (CPC) plans to locate an exploratory well and access road in Millard County, Utah. The proposed well and access road, hereafter referred to as Sevier Lake Federal 1-29, will be placed on lands administered by the Bureau of Land Management's (BLM) Warm Springs Resource Area. Desert West Research, Inc. (DWR), acting upon the request of Ms. Annette Bak of CPC, performed a Class III cultural resources inventory for Sevier Lake Federal 1-29 on February 13, 1995. The inventory was performed in compliance with Section 106 of the National Historic Preservation Act of 1966, as amended, as well as other rules and regulations that pertain to cultural resources (e.g. Executive Order 11593, The National Environmental Policy Act of 1969, and the Federal Land Policy and Management Act of 1976). The goals of the inventory were to: (a) identify and record cultural resources in the proposed project area; (b) provide information and recommendations regarding the significance and National Register eligibility of each resource; recommend whether the proposed undertaking would affect any National Register eligible properties; and (d) make recommendations for the treatment of National Register eligible properties relative to project objectives.

Field investigations were conducted by Kristopher Carambelas of DWR on February 13, 1995. Ground visibility was 100 percent and no problems were encountered in the field.

Description of the Project Area

Sevier Lake Federal 1-29 occupies a small (400 x 400 ft.) area just north of the northeastern shore of Sevier Lake and northwest of Bitterweed Lake (Figure 1). Access to the pad is from an exiting unimproved road, which is ca. 20 ft. south of the well pad's southern boundary. A sandy silt covers the project area and supports a moderate number of plant species typical of the shadscale community (i.e., *Atriplex confertifolia* and *Sarcobatus baileyi*). Cadastral descriptions for the project area include: SW/SE/NE 1/4 and SE/SE/NE 1/4 of Section 29 (T. 19 S, R. 10 W)

A number of cultural resources inventories have been conducted in the vicinity of Sevier Lake Federal 1-29 by DWR in the recent past (e.g., Carambelas 1994; Novak and Carambelas 1994), and Dr. Nancy Shearin, Warm Springs Resource Area Archaeologist, has directed investigations at an extremely large site (42Md1053) to the south for several years. However, none of these projects have explored the area encompassed by the drill pad. Since DWR's investigations in early 1994, no additional inventories have been conducted near the project area (E. Seelinger, Utah State Historic Office, Antiquities Section, personal communication 13 February 1995).

Field Methods

Prior to the inventory, land surveyors from Redcon (Bountiful, Utah) staked the project area with lath and flagging. One lath was placed in the center of the well pad and one lath was placed at each corner. One archaeologist walked parallel transects at 15 m intervals within the staked well pad; he also inventoried a 200 ft. buffer zone around the staked pad. In sum, a 600 x 600 ft. area (8.26 acres), which encompasses the access route to the pad, was examined.

III. INVENTORY RESULTS

As a result of the inventory, *no cultural resources were located.*

IV. EVALUATIONS & RECOMMENDATIONS

Archival and field examinations found no cultural resources in the proposed project area. As a consequence, the proposed undertaking will have no effect on any National Register eligible properties. To avoid affecting any unrecorded cultural resources, which may be near the well pad, all drilling activities and vehicles should remain within the area examined by the present inventory.

Note: The techniques used in this survey were such that most cultural resources existing in the project area visible to surface examination should have been found. If, however, additional cultural resources are discovered that could be adversely affected by project related activities, the latter should cease immediately and the Warm Springs Resource Area archaeologist should immediately be informed.

REFERENCES CITED

Carambelas, K. R.

1994 *A Class III Cultural Resources Inventory for Chevron's Black Rock 2-D Seismic Program in Millard County, Utah: Line 1.* Desert West Research Technical Report No. 103. Prepared for U.S.D.I./Bureau of Land Management, Warm Spring Resource Area, on behalf of Geophysical Systems Corporation, Pasadena, California. Report on file at Utah State Historic Preservation Office, Antiquities Section, Salt Lake City.

Novak, S. A. and K. R. Carambelas

1994 *A Class III Cultural Resources Inventory for Chevron's Black Rock 2-D Seismic Program in Millard County, Utah: Line No 3.* Desert West Research Technical Report No. 104. Prepared for U.S.D.I./Bureau of Land Management, Warm Spring Resource Area, on behalf of Geophysical Systems Corporation, Pasadena, California. Report on file at Utah State Historic Preservation Office, Antiquities Section, Salt Lake City.

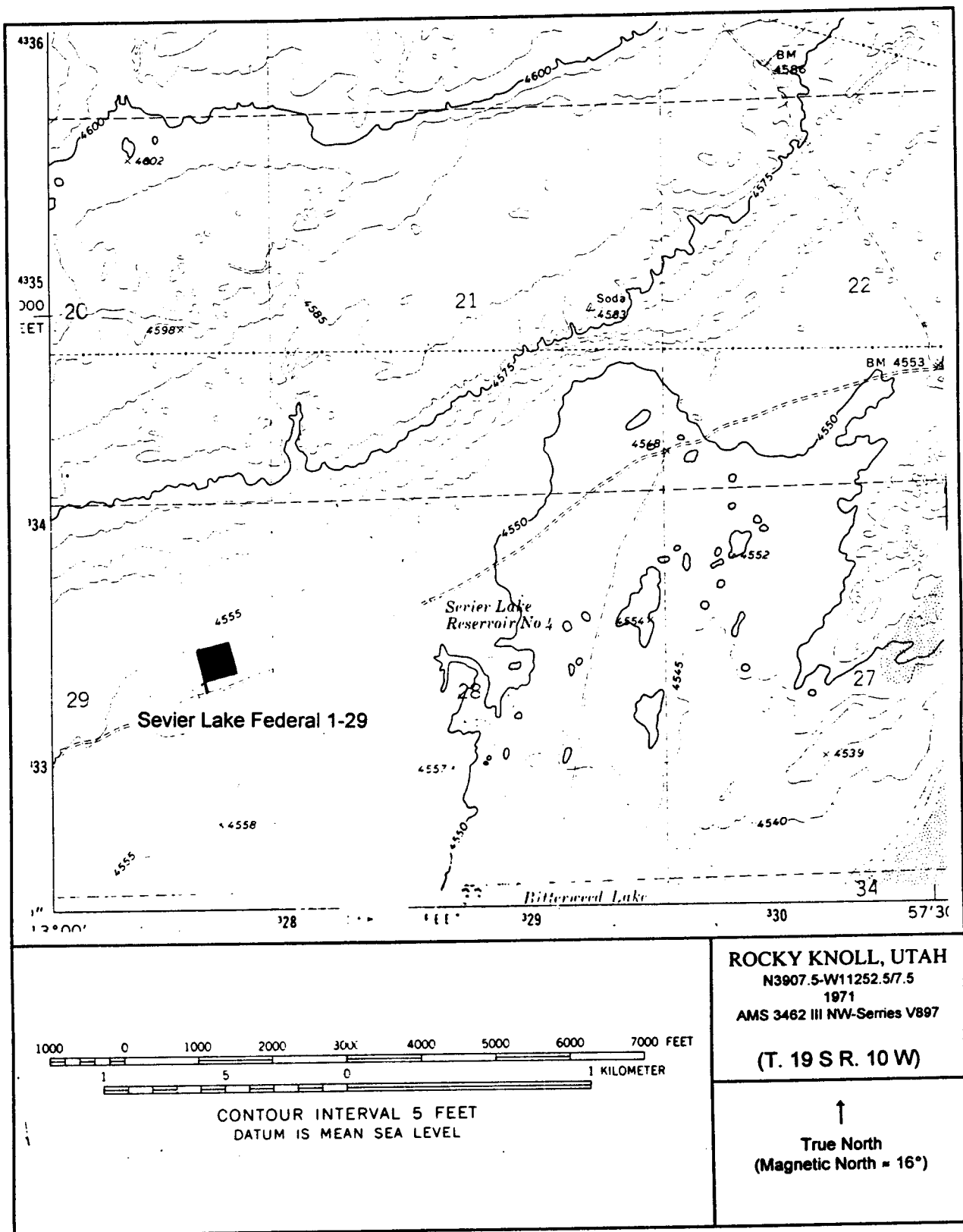


Figure 1. Location of Sevier Lake Federal 1-29 and Access Road (U-95-WZ-047b).

UNITED PACIFIC INSURANCE COMPANY

HEAD OFFICE, FEDERAL WAY, WASHINGTON

RIDER

BOND NO. U89 75 81-34

To be attached to and form part of Bond Number U89 75 81-34 executed by CHEVRON CORPORATION AND ITS WHOLLY OWNED SUBSIDIARIES CHEVRON U.S.A. INC. AND CHEVRON EXPLORATION AND PRODUCTION SERVICES COMPANY, A DIVISION OF CHEVRON INDUSTRIES, INC., as Principal, and United Pacific Insurance Company, as Surety, in favor of the UNITED STATES OF AMERICA and dated July 18, 1976.

In consideration of the premium charged for the attached bond, it is hereby agreed that:

EFFECTIVE JULY 1, 1985 CHEVRON U.S.A. INC. (A CALIFORNIA CORPORATION) WAS MERGED INTO GULF OIL CORPORATION (A PENNSYLVANIA CORPORATION). ALSO EFFECTIVE JULY 1, 1985, GULF OIL CORPORATION CHANGED ITS NAME TO CHEVRON U.S.A. INC. (A PENNSYLVANIA CORPORATION).

ALL OBLIGATIONS OF GULF OIL CORPORATION (A PENNSYLVANIA CORPORATION) UNDER FEDERAL INSURANCE COMPANY BOND NO. 8001-37-25 ARE ASSUMED BY CHEVRON U.S.A. INC. (A PENNSYLVANIA CORPORATION) UNDER THE BOND TO WHICH THIS RIDER ATTACHES.

The attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified.

This rider shall become effective as of the 1st day of July, 1985.

Signed, sealed and dated this 26th day of September, 1988.

CHEVRON CORPORATION
Principal

CHEVRON U.S.A. INC.
Principal

BY: _____

BY: _____

CHEVRON EXPLORATION AND PRODUCTION
SERVICES COMPANY, A DIVISION OF CHEVRON
INDUSTRIES, INC.
Principal

UNITED PACIFIC INSURANCE COMPANY
Surety

BY: _____

BY: Helen A. Weires
Helen A. Weires, Attorney-in-Fact

CONFIDENTIAL

Noted & Forwarded
7/27/88

10-29-90 15:14

;CHEVRON CT HOU

7137542016;# 6/ 6

Surety Bond No.: U 89 75 81 34
Bureau of Land Management Bond No.: ES0022

RIDER

In consideration for the payment of any additional premium charged for this rider and the acceptance of this rider by the Bureau of Land Management on behalf of the United States of America, the undersigned principal and surety hereby extend the coverage of Bon No. U 89 75 81 34, to all of the leases where the principal is the operator, whether or not the principal owns an interest in those leases. The principal hereby agrees to be bound by all terms and conditions of any lease wherein the principal is the operator until all the terms and conditions of the lease have been satisfied, including the payment of any rentals and royalties due; provided, however, that this rider shall not act to increase the actual cumulative or potential liability of the surety above the face amount of the bond, one hundred fifty thousand and no/100 dollars (\$150,000.00); provided, further, however, that any limitation of liability on the part of the surety shall not apply to the principal who shall be liable to the same extent as the lessees.

Executed this 6th day of November, 19 90.

Names and Addresses of Witnesses

BY:

Carol B. Henry Witness
580 California Street, Suite 1300
San Francisco, CA 94104

Chevron U.S.A. Inc.
(Principal)

By _____
(Signature)

(Title)

United Pacific Insurance Company
(Surety)

By _____
(Signature)

Shanon S. Dom -Attorney-in-Fact
(Title)

CONFIDENTIAL



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
CALIFORNIA STATE OFFICE
2800 COTTAGE WAY, ROOM E-2845
SACRAMENTO, CALIFORNIA 95825-1889



IN REPLY REFER TO:
CAS 019275A
CAS 019275B
3104/3106
(CA-943.2b)

OCT 18 1990

RECEIVED

OCT 29 1990

Property Administration
Lease Maintenance/Western, Rocky
Mountain, Midland

CERTIFIED--RETURN RECEIPT REQUESTED

DECISION

Tapo Energy Enterprises
P.O. Box 41082
Bakersfield, CA 93384-1082

Decalta International Corporation
1801 Broadway, Suite 1500
Denver, CO 80202

Petrorep, Inc.
8580 Katy Freeway, Suite 310
Houston, TX 77024-1800

Middle Dome Corporation
Attention: Land Department
P.O. Box 11191
Bakersfield, CA 93389

Chevron U.S.A., Inc.
P.O. Box 1635
Houston, TX 77251

United Pacific Insurance Company
4 Penn Center Plaza
Philadelphia, PA 19103

Oil and Gas

Assignments Pending Approval Bond Requirements.

The records of this office show that the following oil and gas leases are committed to the Kettleman Hills Middle Dome Unit Agreement: CAS 019275A, CAS 019275B, CAS 019275C, CAS 019275D, CAS 019280A, and CAS 019280B. Middle Dome Corporation is the unit operator.

The record title interest in leases CAS 019275A and CAS 019275B is held by Decalta International Corporation (75%) and Petrorep, Inc. (25%). The record title interest in the remaining leases is held entirely by Chevron U.S.A. Inc.

CONFIDENTIAL

Decalta International Corporation, as lessee, is furnishing bond coverage for leases CAS 019275A and CAS 019275B, and Chevron U.S.A. Inc., as lessee, is furnishing bond coverage for the remaining leases.

Assignments are pending approval which if approved will transfer 100% of the record title interest in leases CAS 019275A and CAS 019275B from Decalta International Corporation and Petrorep, Inc., to Tapo Energy Enterprises.

When the present holders of the above lease interests acquired these interests, bond coverage could be furnished by one of the following three methods:

1. The lessees could furnish the bond coverage.
2. A holder (owner) of operating rights could furnish the bond coverage.
3. The unit operator for the unit agreement could furnish the bond coverage.

The bond regulations have just recently changed. The present regulations require the operator on the ground to have bond coverage in one of the following ways:

1. Furnish an oil and gas lease bond (Form 3000-4, June 1988 edition) on which he is the principal.
2. Permission to use a lessee's bond:
 - a. If a surety bond, permission is granted by bond rider executed by the surety.
 - b. If a personal bond, permission is granted by the principal (obligor) on the personal bond.
3. Permission to use a sublessee's bond:
 - a. If a surety bond, permission is granted by bond rider executed by the surety.
 - b. If a personal bond, permission is granted by the principal (obligor) on the personal bond.
4. Furnish a collective corporate surety bond as described in 43 CFR 3186.2 on which he is the principal. This type of bond requires the on the ground operator to be a unit operator.

At the time the present lessees obtained these lease interests, the lease records indicate both Decalta International Corporation and Petrorep, Inc., had nationwide oil and gas lease bonds. At the present time this office is unable to find any bond for Petrorep, Inc. It cannot be determined from the lease records whether they are in error as to the filing of a bond for Petrorep, Inc., or the bond was inadvertently released at a later date. In any event, this office considered Petrorep, Inc., responsible for furnishing bond coverage under the bond procedures in effect when they acquired their interest in the leases.

CONFIDENTIAL

For the leases and unit agreement here in question, Chevron U.S.A. Inc. is the operator on the ground.

Chevron U.S.A. Inc. maintains a \$150,000.00 nationwide oil and gas bond, for which United Pacific Insurance Company is the surety. The bond is identified by the surety's bond No. U 89 75 81 34 and by the Bureau of Land Management's bond No. ES0022. This bond is on an old bond form which does not have a provision for bond coverage when the principal is the operator for a lease or leases but owns no interest in the lease or leases, however, this provision is in the current bond form.

If Chevron U.S.A. Inc. and United Pacific Insurance Company will execute and return to this office the bond rider enclosed with Chevron U.S.A. Inc.'s copy of this decision, bond U 89 75 81 34 will be amended to include the provision for the principal to be covered by the bond in those instances when the principal is an operator for a lease or leases but without ownership in the lease or leases.

If the rider is executed and filed with this office, the assignments pending approval may be approved. However, if the parties involved do not wish to provide the rider, bond coverage in lieu of the rider may be provided by any of the other methods allowed by the regulations. If another method is going to be used, this office must be notified so that the appropriate bond forms and instructions may be furnished to the applicable party.

Fred O'Ferrall
Fred O'Ferrall
Chief, Leasable Minerals Section

Enclosure
as stated

CERTIFIED--RETURN RECEIPT REQUESTED
cc: Chevron U.S.A. Inc.
P.O. Box 5050
San Ramon, CA 94583-09050

CONFIDENTIAL

RIDER

To be attached to and form part of Bond Number U89 75 81-34 executed by CHEVRON CORPORATION AND ITS WHOLLY OWNED SUBSIDIARIES, CHEVRON U.S.A. INC. AND CHEVRON INDUSTRIES, INC., Principals, and UNITED PACIFIC INSURANCE COMPANY, as Surety, in favor of THE UNITED STATES OF AMERICA and dated July 18, 1976.

In consideration of the premium charged for the attached bond, it is hereby agreed that:

Effective July 1, 1985, Chevron U.S.A. Inc. (A California Corporation) was merged into Gulf Oil Corporation (A Pennsylvania Corporation). Also effective July 1, 1985, Gulf Oil Corporation changed its name to Chevron U.S.A. Inc. (A Pennsylvania Corporation).

All obligations of The Pittsburg & Midway Coal Mining Company, formerly a Subsidiary of Gulf Oil Corporation, now a Subsidiary of Chevron Corporation, under Federal Insurance Company Bond number 8083-70-29 are assumed by the United Pacific Insurance Company Bond to which this rider attaches.

The attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified.

This rider shall become effective as of the 1st day of July, 1989.

Signed, sealed and dated this 30th day of June, 1989.

Name and Address of Witnesses

Name and Address of Principal(s)
and Surety

CHEVRON CORPORATION

Principal

BY: _____

CHEVRON U.S.A. INC.

Principal

BY: _____

CHEVRON INDUSTRIES, INC.

Principal

BY: _____

UNITED PACIFIC INSURANCE COMPANY

Surety

BY: _____

Marsh & McLennan, Inc.
Three Embarcadero Center
San Francisco, CA 94111

Helen A. Weires, Attorney-in-Fact
580 California Street, Suite 1300
San Francisco, CA 94104

CONFIDENTIAL

RIDER

To be attached to and form part of Bond Number U89 75 81-34 executed by CHEVRON CORPORATION AND ITS WHOLLY OWNED SUBSIDIARIES, CHEVRON U.S.A. INC. AND CHEVRON INDUSTRIES, INC., Principals, and UNITED PACIFIC INSURANCE COMPANY, as Surety, in favor of THE UNITED STATES OF AMERICA and dated July 18, 1976.

In consideration of the premium charged for the attached bond, it is hereby agreed that:

Effective July 1, 1985, Chevron U.S.A. Inc. (A California Corporation) was merged into Gulf Oil Corporation (A Pennsylvania Corporation). Also effective July 1, 1985, Gulf Oil Corporation changed its name to Chevron U.S.A. Inc. (A Pennsylvania Corporation).

All obligations of Gulf Oil Corporation under Federal Insurance Company Bond Numbers 8001-37-25 and 8036-41-78 are assumed by the United Pacific Insurance Company Bond to which this rider attaches.

The attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified.

This rider shall become effective as of the 1st day of July, 1989.

Signed, sealed and dated this 30th day of June, 1989.

Name and Address of Witnesses

Name and Address of Principal(s)
and Surety

CHEVRON CORPORATION

Principal

BY: _____

CHEVRON U.S.A. INC.

Principal

BY: _____

CHEVRON INDUSTRIES, INC.

Principal

BY: _____

UNITED PACIFIC INSURANCE COMPANY

Surety

BY: _____

Marsh & McLennan, Inc.
Three Embarcadero Center
San Francisco, CA 94111

Helen A. Weires, Attorney-in-Fact
580 California Street, Suite 1300
San Francisco, CA 94104

CONFIDENTIAL

Reliance Insurance Companies

RELIANCE INSURANCE COMPANY
PHILADELPHIA, PENNSYLVANIA

UNITED PACIFIC INSURANCE COMPANY
FEDERAL WAY, WASHINGTON

PLANET INSURANCE COMPANY
FEDERAL WAY, WASHINGTON

RIDER

To be attached to and form a part of

Type of Bond: State or Nationwide Oil and Gas bond

Bond No. 009 75 01-34

executed by Chevron Corporation and its wholly owned subsidiaries, Chevron U.S.A. Inc. and Chevron Geosciences Company, A Division of Chevron Industries, Inc., as Principal,

and by United Pacific INSURANCE COMPANY, as Surety,

in favor of Chevron Corporation and its wholly owned subsidiaries, Chevron U.S.A. Inc. and Chevron Geosciences Company, A Division of Chevron Industries, Inc.

and dated July 10, 1976

In consideration of the premium charged for the attached bond, it is hereby agreed to change:

From: Chevron Corporation and its wholly owned subsidiaries, Chevron U.S.A. Inc. and Chevron Geosciences Company, A Division of Chevron Industries, Inc.

To: Chevron Corporation and its wholly owned subsidiaries, Chevron U.S.A. Inc. and Chevron Industries, Inc.

The attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified.

This rider is effective October 1, 1976

Signed and Sealed October 1, 1976

Principal Chevron Corporation

By: _____ Title

United Pacific INSURANCE COMPANY

By: _____ Attorney-in-Fact

RIDER ACCEPTED (Please sign duplicate of this Rider and return to Surety)

By: _____

Date _____

CONFIDENTIAL

RIDER TO EXTEND COVERAGE OF NATIONWIDE BOND
TO UNIT AGREEMENT AND PERMIT
TERMINATION OF PRIOR BOND

BLM Bond No.: ES-0022

Surety Bond No.: U89 75 81 34

It is hereby agreed by and between the undersigned principal and surety in consideration for any additional premium charged for this rider, its acceptance by the Bureau of Land Management (BLM) on behalf of the United States, and the termination of the period of liability by the BLM on behalf of the United States on Bond No. 0794-96-52 carrying Chevron U.S.A. Inc. (formerly Gulf Oil Corp.) as principal, and Federal Insurance Company as surety, that the coverage of this bond is extended to any and all liabilities that may be outstanding on Bond No. 0794-96-52.

The undersigned principal and surety also agree to extend coverage of this bond to include all obligations of the principal under the South Canyon Unit Agreement No. 14-08-001-2089 and all the obligations of the Federal oil and gas leases committed to such unit agreement. The principal and surety agree to remain bound for the failure to comply with any terms and condition of the unit agreement and leases now or hereafter committed thereto; including, but not limited to, the payment of rentals and royalties and the obligation to plug and abandon properly all wells drilled on such leases under the unit agreement.

Provided, that termination or contraction of the unit agreement shall not cause any diminution of the principal's or surety's obligation with respect to lease obligations incurred during the existence of such unit agreement; and provided, that the rider shall not increase the cumulative or potential liability of the surety above the face amount of the bond, to wit one hundred fifty thousand dollars (\$150,000.00); and provided, that any such limitation on the part of the surety shall not apply to the principal's obligations to comply with the terms and conditions of all leases committed to the unit agreement, either presently or hereafter.

Executed the 12th day of April, 1989.

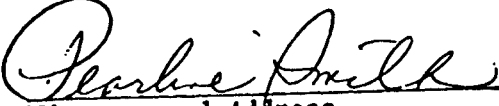
CHEVRON CORPORATION

Witness and Address

Principal

Witness and Address

UNITED PACIFIC INSURANCE COMPANY
Surety


Witness and Address
Marsh & McLennan, Inc.
Three Embarcadero Center
San Francisco, CA 94111

 Helen A. Weire
Surety's Agent Attorney-in-Fact

CONFIDENTIAL

Rider to Bond No. U89 75 81-34 (Continued)

CHEVRON U.S.A. INC.
Principal

Witness and Address

BY _____

CHEVRON EXPLORATION AND PRODUCTION
SERVICES COMPANY, A DIVISION OF
CHEVRON INDUSTRIES, INC.
Principal

Witness and Address

BY _____

CONFIDENTIAL

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the UNITED PACIFIC INSURANCE COMPANY, a corporation duly organized under the laws of the State of Washington, does hereby make, constitute and appoint

C. MICHAEL HENLEY of LOS ANGELES, CALIFORNIA-----

its true and lawful Attorney-in-fact, to make execute, seal and deliver for and on its behalf, and as its act and deed

ANY AND ALL BONDS AND UNDERTAKINGS OF SURETYSHIP-----

and to bind the UNITED PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the UNITED PACIFIC INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney-in-fact may do in pursuance hereof.

This Power of Attorney is granted under and by authority of Section 37A of the By-Laws of UNITED PACIFIC INSURANCE COMPANY which provisions are now in full force and effect, reading as follows:

SECTION 37A - ATTORNEYS-IN-FACT

SECTION 1. The Board of Directors, the President, or any Vice-President or Assistant Vice-President shall have power and authority to: (a) appoint Attorneys-in-fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney-in-fact at any time and revoke the power and authority given to him.

SECTION 2. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of UNITED PACIFIC INSURANCE COMPANY at a meeting held on the 26th day of October, 1971, at which a quorum was present, and said Resolution has not been amended or repealed:

"Resolved, that the signatures of such directors and officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, this 18th day of March 19 75.

UNITED PACIFIC INSURANCE COMPANY



Morris E. Brown
Executive Vice-President

STATE OF Washington
COUNTY OF Pierce

On this 18th day of March 19 75, personally appeared MORRIS E. BROWN

Executive, to me known to be the Vice-President of the UNITED PACIFIC INSURANCE COMPANY, and acknowledged that he executed and attested the foregoing instrument and affixed the seal of said corporation thereto, and that Section 37A, Section 1 and 2 of the By-Laws of said Company and the Resolution, set forth therein, are still in full force.

My Commission Expires:

January 15, 19 78



Suzanne Holsey
Notary Public in and for State of Washington
Residing at Tacoma

I, D. Keith Johnson, Assistant Secretary of the UNITED PACIFIC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by said UNITED PACIFIC INSURANCE COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company this _____ day of _____ 19 ____.



D. Keith Johnson
Assistant Secretary

W8DU-1431 ED. 6/74

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Bond No: U 89 75 81 - 34

STATE OR NATIONWIDE OIL AND GAS BOND
Act of February 25, 1920 (30 U.S.C. Sec. 181);
Act of August 7, 1947 (30 U.S.C. Sec. 351)

NOW ALL MEN BY THESE PRESENTS, That we **Standard Oil Company of California and its wholly-owned Subsidiary, Chevron Oil Company**

225 Bush Street; San Francisco, California
Principal, and **United Pacific Insurance Company**

1 Market Plaza; San Francisco, California

are held and firmly bound unto the United States of America in the sum of **One hundred fifty thousand** dollars (\$150,000.00), lawful money and no/100-

the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, successors and assigns, jointly and severally.

If the amount of this bond is \$150,000 or if it is increased to that amount, the coverage shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, under the Acts cited in Schedule A.

If the amount of this bond is less than \$150,000, its coverage extends only to the principal's holdings of federal oil and gas leases in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.

SCHEDULE A

Public Domain Leasing Act of February 25, 1920
(30 U.S.C. Sec. 181)

NAMES OF STATES

Acquired Lands Leasing Act of August 7, 1947
(30 U.S.C. Sec. 351)

NAMES OF STATES

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Act or Acts cited in Schedule A of this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, extract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:

1. Any oil and gas lease hereafter issued to, or acquired by the principal in the States now named in Schedule A, or later named in a rider, the coverage to be confined to the principal's holdings under the Act or Acts cited at the head of the column in which the name of the State appears and to become effective immediately upon such issuance or upon departmental approval of a transfer in favor of the principal.

2. Any operating agreement hereafter entered into or acquired by the principal affecting oil and gas leases in the States now named in Schedule A, or later named in a rider. The coverage shall become

Post-It™ brand fax transmittal memo 7671 # of pages > 5

To	From
Annette Zak	Kari Zelnick
Co.	Co.
Dept.	Phone
Fax	(415) 894-0338
(213) 254-2854	

CONFIDENTIAL

effective immediately upon the approval of the agreement or of a transfer of an operating agreement to the principal.

3. Any designation subsequent hereto of the principal as operator or agent of a lessee under a lease issued pursuant to the Act or Acts cited in Schedule A and covering lands in a State named in Schedule A, either presently or by rider. This coverage shall become effective immediately upon the filing of such a designation under a lease.

4. Any extension of a lease covered by this bond, such coverage to continue without any interruption due to the expiration of the term set forth in the lease.

Provided, that the surety may elect to have the additional coverage authorized under this paragraph become inapplicable as to all interests of the principal acquired more than thirty (30) days after the receipt of notice of such election by the Bureau of Land Management.

The surety hereby waives any right to notice of, and agrees that this bond shall remain in full force and effect notwithstanding:

1. A transfer or transfers, either in whole or in part, of any or all of the leases, or of the operating agreements, and further agrees to remain bound under this bond as to the interests either in the leases or in the operating agreements, or in both, retained by the principal when the approval of the transfer or transfers become effective.

2. Any modification of a lease or operating agreement, or obligations thereunder, whether made or effected by commitment of such lease or operating agreement to unit, cooperative, communitization or storage, agreements, or development contracts, suspensions of operations or production, waivers, suspensions or changes in rental, minimum royalty and royalties, compensatory royalty payments, or otherwise; and

WHEREAS the principal and surety hereby agree that notwithstanding the termination of any lease or lease, operating agreements or designations as operator or agent, covered by this bond, whether the termination is by operation of law or otherwise, the bond shall remain in full force and effect as to all remaining leases, operating agreements, or designations covered by the bond; and

WHEREAS the principal, as to any lease or part of a lease for lands as to which he has been designated as operator or agent, or approved as operator, in consideration of being permitted to furnish this bond in lieu of the lessee, agrees and by these presents does hereby bind himself to fulfill on behalf of each lessee all obligations of each such lease for the entire leasehold in the same manner and to the same extent as though he were the lessee; and

WHEREAS the principal and surety agree that the neglect or forbearance of said lessor in enforcing, or against the lessees of such lessor, the payment of rentals or royalties or the performance of any other covenant, condition or agreement of the leases, shall not, in any way, release the principal and surety, or either of them, from any liability under this bond; and

WHEREAS the principal and surety agree that in the event of any default under the leases, the lessor may commence and prosecute any claim, suit, action, or other proceeding against the principal and surety, or either of them, without the necessity of joining the lessees.

NOW, THEREFORE, if said principal shall in all respects faithfully comply with all of the provisions of the leases referred to hereinbefore, then the above obligations are to be void; otherwise to remain in full force and effect.

Signed on this 24th day of June, 1976, in the presence of:
The effective date of this bond is July 18th, 1976

K. H. BOERO
225 Bush Street, San Francisco, CA 94104
NAMES AND ADDRESSES OF WITNESSES

J. D. BRYAN
225 Bush Street, San Francisco, CA 94104

STANDARD OIL COMPANY OF CALIFORNIA

BY: [Signature] Contract Agent
BY: [Signature] Asst. Secretary

CHEVRON OIL COMPANY

BY: [Signature] Contract Agent
BY: [Signature] (Principal) Asst. Secretary (L.S.)

225 Bush Street; San Francisco, California.
(Business address)

UNITED PACIFIC INSURANCE COMPANY

BY: [Signature] (Surety)
J.M. BUEMAN ATTORNEY IN FACT (L.S.)

Patty Heffernan
1 Market Plaza
San Francisco, California

Diana De Rosa
1 Market Plaza
San Francisco, California

1 Market Plaza; San Francisco, California
(Business address)

17

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the UNITED PACIFIC INSURANCE COMPANY, a corporation duly organized under the laws of the State of Washington, does hereby make, constitute and appoint

C. MICHAEL HENLEY of LOS ANGELES, CALIFORNIA-----

its true and lawful Attorney-in-fact, to make execute, seal and deliver for and on its behalf, and as its act and deed

ANY AND ALL BONDS AND UNDERTAKINGS OF SURETYSHIP-----

and to bind the UNITED PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the UNITED PACIFIC INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney-in-fact may do in pursuance hereof.

This Power of Attorney is granted under and by authority of Section 37A of the By-Laws of UNITED PACIFIC INSURANCE COMPANY which provisions are now in full force and effect, reading as follows:

SECTION 37A - ATTORNEYS-IN-FACT

SECTION 1. The Board of Directors, the President, or any Vice-President or Assistant Vice-President shall have power and authority to: (a) appoint Attorneys-in-fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney-in-fact at any time and revoke the power and authority given to him.

SECTION 2. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of UNITED PACIFIC INSURANCE COMPANY at a meeting held on the 28th day of October, 1971, at which a quorum was present, and said Resolution has not been amended or repealed:

"Resolved, that the signatures of such directors and officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, this 18th day of March, 19 75.

UNITED PACIFIC INSURANCE COMPANY

STATE OF Washington
COUNTY OF Pierce



Morris E. Brown
Executive Vice-President

On this 18th day of March, 19 75, personally appeared MORRIS E. BROWN

Executive, to me known to be the Vice-President of the UNITED PACIFIC INSURANCE COMPANY, and acknowledged that he executed and attested the foregoing instrument and affixed the seal of said corporation thereto, and that Section 37A, Section 1 and 2 of the By-Laws of said Company and the Resolution, set forth therein, are still in full force.

My Commission Expires:

January 15, 19 78



Suzanne Thibault
Notary Public in and for State of Washington

Residing at Tacoma

I, D. Keith Johnson, Assistant Secretary of the UNITED PACIFIC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by said UNITED PACIFIC INSURANCE COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company this _____ day of _____, 19 ____.



D. Keith Johnson
Assistant Secretary

CONFIDENTIAL

UNITED PACIFIC INSURANCE COMPANY

HOMEOFFICE, TACOMA, WASHINGTON.

CHANGE OF NAME RIDER

To be attached to and form part of Bond Number **U89 75 81 34** executed by

**STANDARD OIL COMPANY OF CALIFORNIA AND
ITS WHOLLY OWNED SUBSIDIARY, CHEVRON OIL COMPANY**

as Principal, and UNITED PACIFIC INSURANCE COMPANY, as Surety, in favor of
**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
State or Nationwide oil and gas bond**

and dated **July 18** .19**76**.

It is hereby agreed that the name of the Principal is changed to:
**STANDARD OIL COMPANY OF CALIFORNIA
and its wholly owned subsidiary, CHEVRON U.S.A. Inc.**

Provided, however, that the liability of the Surety under the attached bond and under the attached bond as changed by this rider shall not be cumulative.

The attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified.

This rider shall become effective as of the **1st** day of **January** , 19**77**, standard time.

Signed, sealed and dated this **30th** day of **November** , 19**76**.

CHEVRON OIL COMPANY Principal

For your information - Chevron Oil Company will change its name to **CHEVRON U.S.A. Inc.** effective **January 1, 1977**.

By *[Signature]* CONTRACT AGENT
By *[Signature]* ASSISTANT SECRETARY
By *[Signature]* ATTORNEY-IN-FACT
G. MICHAEL HENLEY, ATTORNEY-IN-FACT

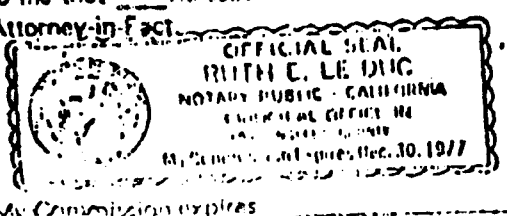
Accepted: _____ 19____

Obligee
By _____

Title

State of California)
County of **Los Angeles**)

On **November 23rd** , 19**76** , before me, the undersigned, a Notary Public in and for said County, personally appeared **G. Michael Henley** known to me to be the person whose name is subscribed to the within instrument as Attorney-in-Fact of UNITED PACIFIC INSURANCE COMPANY, and acknowledged to me that he subscribed the name of UNITED PACIFIC INSURANCE COMPANY, as Surety, and his own name as Attorney-in-Fact.



[Signature]
Notary Public in and for the County of _____

COPIES

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/23/95

API NO. ASSIGNED: 43-027-30035

WELL NAME: SEVIER LAKE FEDERAL 1-29
OPERATOR: CHEVRON U.S.A. INC (N0210)

PROPOSED LOCATION:

SENE 29 - T19S - R10W
SURFACE: 2250-FNL-0700-FEL
BOTTOM: 2250-FNL-0700-FEL
MILLARD COUNTY
WILDCAT FIELD (001)

LEASE TYPE: FED
LEASE NUMBER: UTU - 72587

PROPOSED PRODUCING FORMATION: PRCAM

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number 489-75-181-34)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number LOCAL WATER WELL)
☒ RDCC Review (Y/N)
(Date: _____)

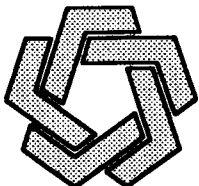
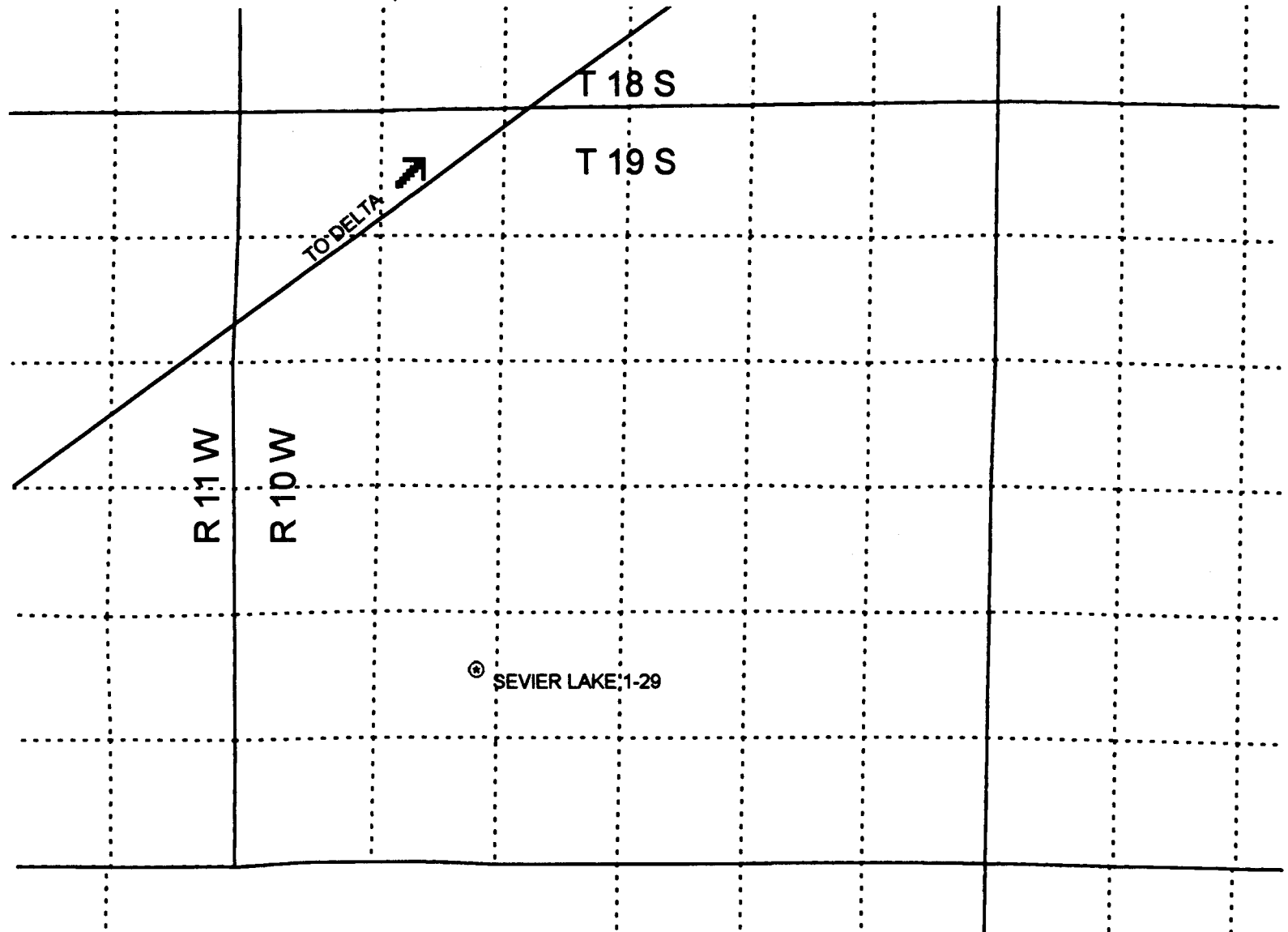
LOCATION AND SITING:

___ R649-2-3. Unit: _____
___ R649-3-2. General.
☒ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: EXCEPTION REQUEST RECEIVED

STIPULATIONS: _____

CHEVRON U.S.A. PRODUCTION
SEVIER LAKE FEDERAL 1-29 WILDCAT
SEC. 29, T 19 S, R 10 W
MILLARD COUNTY, NO SPACING



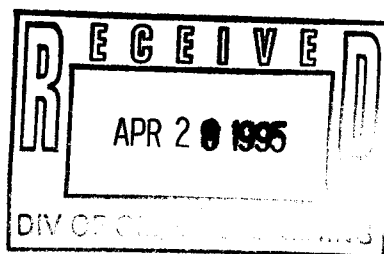
DATE: 03/24/95



Chevron

April 27, 1995

SEVIER LAKE FEDERAL 1-29
USA UTU-72587
SE4NE4 SECTION 29-T19S-R10W
2250' FNL, 700' FEL
MILLARD COUNTY, UTAH



Chevron U.S.A. Production Company
Western Exploration Division
P.O. Box 1635
Houston, TX 77251

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

ATTENTION: Mr. Mike Hebertson

Gentlemen:

Pursuant to State of Utah R649-3-3 Exception to Location and Siting of Wells, Chevron U. S. A. Production Company, a division of Chevron U. S. A. Inc., as operator of the proposed stratigraphic test described above, hereby requests an exception to the State location requirements.

The proposed location for the well classified as a stratigraphic test is identified and described in caption and on the plats attached as Exhibits "A" and "B", copies of which were attached to the Application for Permit to Drill submitted to the BLM and the State of Utah on March 15, 1995.

The expected objective for drilling the Sevier Lake Federal 1-29 is to obtain stratigraphic information. Chevron's geologic purpose in locating the test in the SWSENE of Section 29 is to gain geologic and stratigraphic information from a complete suite of slimhole logs. Chevron finds it necessary to select this location in order to avoid possible fault complications that are indicated by seismic data.

There are no residents, surface owners or owners of offset wells within a 460 foot radius of the proposed site from which we need to obtain written consent.

Chevron requests your consideration in granting this exception location. If we can provide additional information to support this exception location, please do not hesitate to contact this office. (713)754-7659.

Sincerely,


Annette Bak
Landman

attachments
via fax delivery 4/27/95

CONFIDENTIAL

MAR 17 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WELL <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> DEEPEN		5. LEASE DESIGNATION AND SERIAL NO. USA UTU-72587	
2. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> Stratigraphic		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. NAME OF OPERATOR Chevron U.S.A. Production Company, U.S.A. Inc.		7. UNIT AGREEMENT NAME N/A	
4. ADDRESS AND TELEPHONE NO. P.O. Box 1635, Houston, TX 77251 (713) 754-7659		8. FARM OR LEASE NAME, WELL NO. SEVIER LAKE FEDERAL 1-29	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2250' FNL, 700' FEL SECTION 29, T19S-R10W At proposed prod. zone (SAME)		9. API WELL NO.	
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* APPROX. 3/4 MI SE OF HWY 6/50		10. FIELD AND POOL, OR WILDCAT WILDCAT	
11. DISTANCE FROM PROPOSED LOCATION* 4580' EAST OF SEC. LINE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 29, T19S-R10W, SLM	
12. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		12. COUNTY OR PARISH MILLARD	
13. ELEVATIONS (Show whether DF, RT, GR, etc.) 4555' GL		13. STATE UTAH	
14. NO. OF ACRES IN LEASE 10,025.68		14. NO. OF ACRES ASSIGNED TO THIS WELL 160 AC	
15. PROPOSED DEPTH 7,000'		15. ROTARY OR CABLE TOOLS ROTARY	
16. APPROX. DATE WORK WILL START* 4/30/95			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17.5"	13.375", H-40	48.0 #/FT	50'	FROM SURFACE
12.25"	9.625", K-55	29.2 #/FT 36#	1000'	TO SURF W/ 313 CF (265 SX)

Be advised that Chevron U.S.A. Production Company is considered to be the Operator of Chevron Sevier Lake Federal #1-29, Millard Co., Utah, Lease USA-U72587, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond No. U-89-75-81-34 (Standard Oil Company of California and its wholly owned subsidiary Chevron U.S.A. Inc., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE LANDMAN DATE 3-13-95
(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

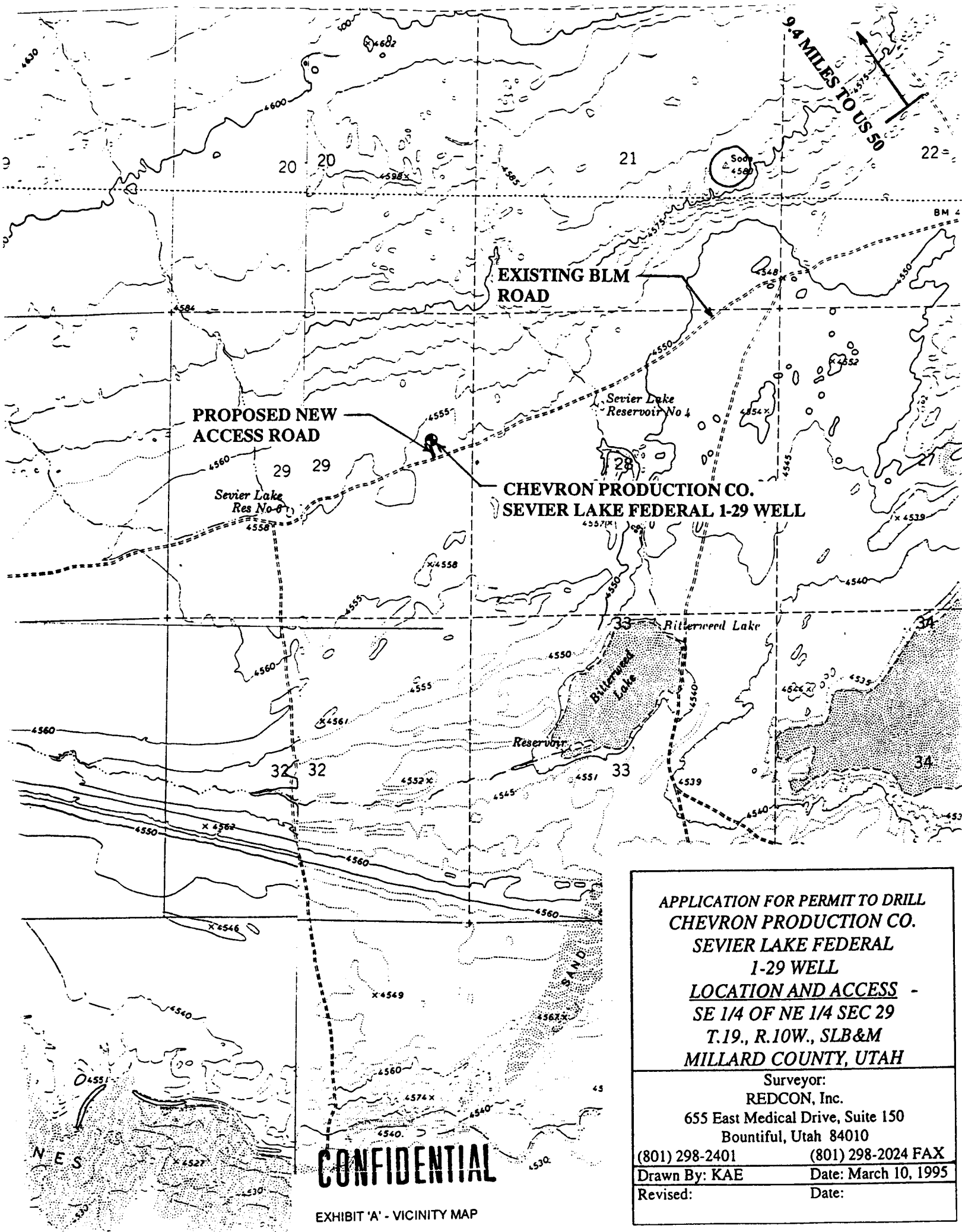
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

SEE ATTACHED

APPROVED BY [Signature] TITLE District Manager DATE May 23, 1995

*See Instructions 43824854 11:13AM APR 11 1995
CONFIDENTIAL



APPLICATION FOR PERMIT TO DRILL
CHEVRON PRODUCTION CO.
SEVIER LAKE FEDERAL
1-29 WELL
LOCATION AND ACCESS -
SE 1/4 OF NE 1/4 SEC 29
T.19., R.10W., SLB&M
MILLARD COUNTY, UTAH

Surveyor:
REDCON, Inc.

655 East Medical Drive, Suite 150
Bountiful, Utah 84010

(801) 298-2401

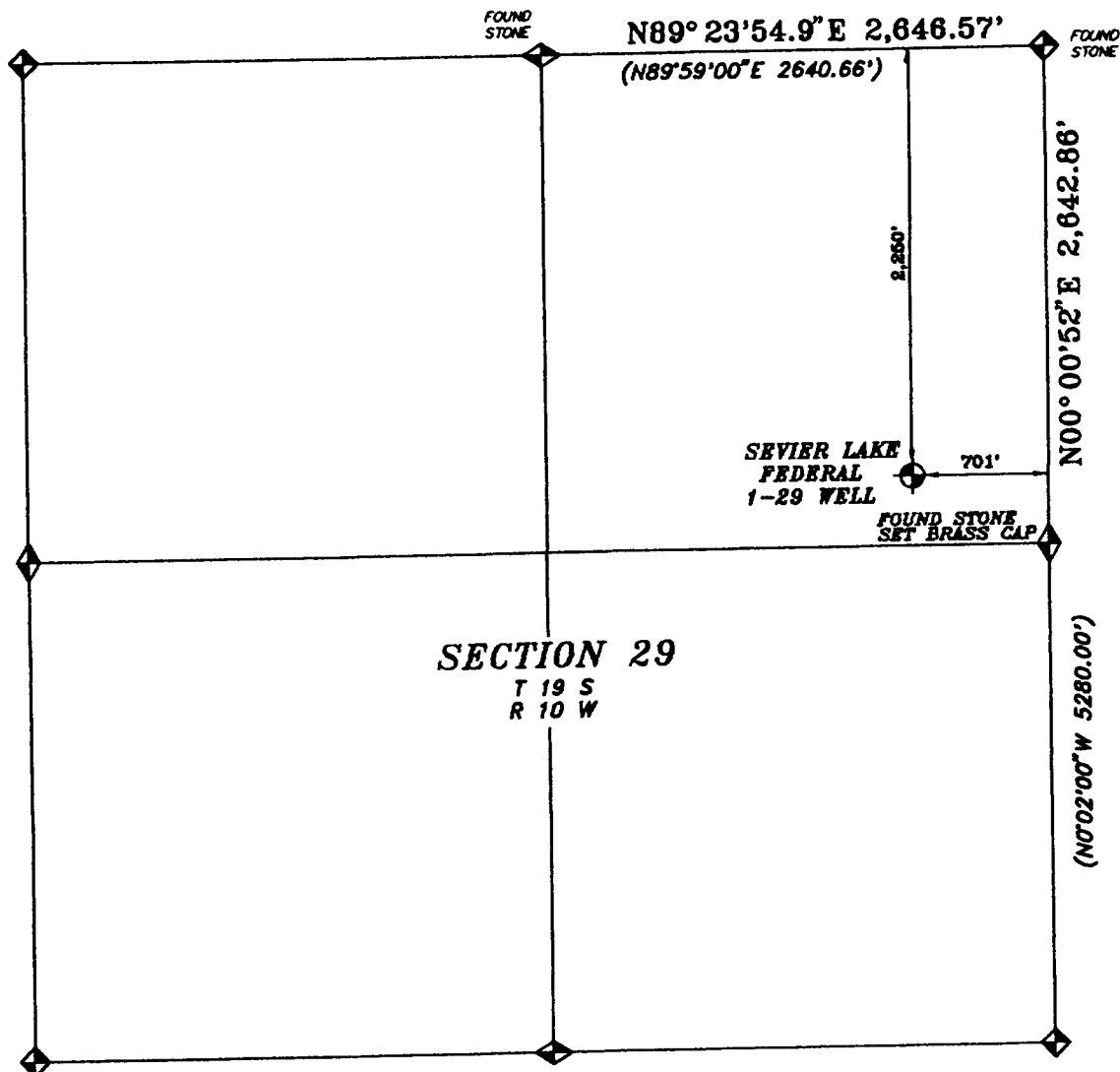
(801) 298-2024 FAX

Drawn By: KAE

Date: March 10, 1995

Revised:

Date:



LOCATION MAP

N89°23'55"E 2,646.57' = Measured Bearing and Distance
 (N 89°12' E 2,640.0') = RECORD BEARING AND DISTANCE

0 500 1000 1500

SCALE: 1" = 1000'
 U.S. SURVEY FOOT



MAGNETIC DELINATION = 16°15' EAST
 Basis of Bearing
 Geodetic North @
 Black USC&GS 1957
 N=039°02'51.342"
 W=112°54'54.0526"
 NAD 1927



SURVEYED UNDER MY DIRECTION

C:\SURVEY\SEVIER\S29PLAT.DWG
 PLOT: STANDARD.PCP

APPLICATION FOR PERMIT
 TO DRILL
 CHEVRON PRODUCTION CO.
 SEVIER LAKE FEDERAL
 1-29 WELL
 2,250' FNL, 701' FEL
 SE1/4 OF NE1/4 SEC 29
 T.19 S., R.10 W., SLB&M
 MILLARD COUNTY, UTAH

REDCON INC.
 655 EAST MEDICAL DRIVE, SUITE 150
 BOUNTIFUL, UTAH 84010
 (801) 298-2401 FAX (801) 298-2024
 Drawn By: KAP Date: MARCH 10, 1994
 Revised: Date:

CONFIDENTIAL

STATE OF UTAH

Operator: CHEVRON USA INC	Well Name: SEVIER LAKE FED. 1-2
Project ID: 43-027-30035	Location: SEC. 29 - T19S - R10W

Design Parameters:

Mud weight (9.00 ppg) : 0.468 psi/ft
 Shut in surface pressure : 2791 psi
 Internal gradient (burst) : 0.069 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using buoyed weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	1,000	9.625	36.00	K-55	ST&C	1,000	8.765		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	468	2020	4.321	2860	3520	1.23	31.05	423	13.62 J

Prepared by : FRM, Salt Lake City, UT
 Date : 06-06-1995
 Remarks :

Minimum segment length for the 1,000 foot well is 1,000 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 109°F (Surface 74°F , BHT 144°F & temp. gradient 1.000°/100 ft.)
 Surface/Intermediate string:
 Next string will set at 7,000 ft. with 9.00 ppg mud (pore pressure of 3,273 psi.) The frac gradient of 1.000 psi/ft at 7,000 feet results in an injection pressure of 7,000 psi Effective BHP (for burst) is 2,860 psi.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.06)

LONE STAR STEEL COMPANY
Fax Cover Sheet

DATE:	June 6, 1995	TIME:	3:24 PM
TO:	Frank Mathews State of Utah	PHONE:	801 538 5340
		FAX:	801 359 3940
FROM:	Beau Urech LSS	PHONE:	800 527 4615
			214 770 6448
		FAX:	214 770 6409
RE:	9-5/8" 29.30# K55 STC		

Number of pages including cover sheet: 2

Message

The above item is nonstandard for casing and line pipe. Calculations for properties based on my best guess of wall thickness are attached.

LONE STAR STEEL COMPANY
Product Specification
9.625" 29.30# (.281" wall) K-55 STC

Grade	K55
Mechanical Properties	
Yield Strength	
Minimum	55 ksi
Maximum	80 ksi
Tensile Strength	
Minimum	95 ksi
Dimensions	
Outside Diameter	9.625 in.
Nominal Wall Thickness	0.281 in.
Nominal Weight	29.30 lbs/ft
Plain End Weight	28.07 lbs/ft
Cross-sectional Area	8.249 sq. in.
Inside Diameter	9.063 in.
Drift Diameter	8.907 in.
Performance Ratings	
Minimum Collapse	1,220 psi
Minimum Internal Yield Strength	2,810 psi
Pipe Body Yield Strength	454 kips
STC Joint Strength	319 kips



Chevron U.S.A. Production Company
P.O. Box 1635, Houston, TX 77251

Western Exploration Division

FAX COVER LETTER

WESTERN EXPLORATION DIVISION
18TH FLOOR - CHEVRON TOWER
HOUSTON, TEXAS

FAX TELEPHONE # (713) 754-7854

PLEASE DELIVER TO:

FRANK MATTHEWS
STATE OF UTAH

FAX #: 801) 359-3940

COMMENTS:

EIGHT POINT DRILLING PLAN
(UPDATED 4/27/95) FOR SEILER LAKE
FEDERAL 1-29 LOCATION

OF PAGES _____ INCLUDING COVER SHEET

IF ALL THE PAGES ARE NOT RECEIVED, PLEASE CONTACT US ASAP.

FROM:

ANNETTE BAK

Phone #: (713) 754- 7659

CHEVRON USA PRODUCTION CO.

**SEVIER LAKE FEDERAL #1-29
700' FEL & 2250' FNL
SEC 29-T19S-R10W
MILLARD COUNTY, UTAH**

EIGHT POINT DRILLING PLAN

Updated 4/27/95

1. ESTIMATED FORMATION TOPS:

Ancient Lake Bonneville Sediments	Surface
Tertiary Valley Fill	Near Surface
Tertiary Basalt	1,400'
Tertiary Valley Fill	1,500'
Pre-Tertiary	2,500'
Precambrian	7,000'

**2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR
OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:**

Deepest Fresh Water: ~700' based on depth of existing water wells in area used for the purpose of watering livestock.

Oil Shale: None Expected.

Oil: Possible oil below the Tertiary Basalt.

Gas: Possible gas below the Tertiary Basalt.

Protection of oil, gas, water, or other mineral bearing formations:
Protection shall be accomplished by cementing surface casing back to the surface or to depths sufficient to isolate required formations. This well is a stratigraphic test and will be plugged and abandoned upon completion of drilling and logging operations. There is no intent to produce this well. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling conductor hole to 50': No BOP equipment required.

For drilling surface hole to 1,000':

No BOP equipment required. Rotating head for air drilling only.

For drilling through 9.625" surface casing to TD:

Maximum anticipated surface pressure is <2590 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 3000 psi equipment and will include a remote operated choke.

A casing head with an 11", 3000 psi flange will be screwed or welded onto the 9.625" surface casing.

BOP stack will consist of a double gate and annular preventer. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 3000 psi working pressure or greater. The choke and kill lines will be 2" or 3" bore, 3000 psi working pressure or greater. Please refer to attached schematics.

A rotating head will be used while drilling below surface casing to facilitate using air, air/mist, stiff foam or aerated mud as a circulating medium.

Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing except 13 3/8" will be new pipe and tested to 1500 psi. The 13 3/8" will not be tested.

Casing	Weight	Grade	Conn.	Stage	Centralizers
13.375"	48.0 #/ft.	H-40	STC	No	No
9.625"	29.5 #/ft. 36 #/ft.	K-55	STC	No	*

* Centralizers will be placed 10' above shoe, on 1st, 3rd, 5th and last collars.

Casing Design Information (13 3/8" casing @ 50'):

Collapse value for new pipe: 770psi	Actual Load: 23psi	S.F.: .03
Burst value for new pipe: 1730psi	Actual Load: 23psi	S.F.: .01
Tension value for new pipe: 322,000#	Actual Load: 2400#	S.F.: .01

(9 5/8" casing @ 1,000'):

Collapse value for new pipe: 2020psi	Actual Load: 468psi	S.F.: .23
Burst value for new pipe: 3520psi	Actual Load: 2208psi	S.F.: .63
Tension value for new pipe: 423,000#	Actual Load: 36,000#	S.F.: .09

Cement Information:

Casing	Cement
13.375"	Cemented from surface utilizing Ready-Mix.
9.625"	Oilfield type cement circulated in. Class "A" w/ 2% CaCl ₂ single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 313 cf (265 sx) calculated. Tail plug used. Allowed to set under pressure.

Upon completion of drilling and logging operations, well will be abandoned. Abandonment plugs will be of Class "A" neat slurry. Size and location of plugs will be determined at conclusion of logging.

Drilling Equipment:

Conductor hole will be drilled and conductor casing set with small rotary surface hole rig.

Drilling the surface hole below conductor casing will be with a small rotary rig equipped to use air, fluid or a combination of both. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

Drilling below surface casing will be with conventional rotary equipment utilizing air, fluid or a combination of both. Hole size will vary between 8 3/4", 8 1/2" and 7 7/8" depending on hole conditions.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with air, air/mist, stiff foam or aerated water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromate's will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.0 ppg.

No minimum quantity of weight material will be required to be kept on location. Sufficient quantity of water to load the hole while air drilling will be on location and readily available at all times.

PVT/Flow Show will be on location and operable from base of conductor casing to TD in the event fluid drilling is incorporated.

Gas detector will be used from surface (depth mud loggers on) to TD.

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:**Logging:**

Mud logging:

Surface to TD

Electric Logging:

A complete suite of open hole logs will be run.

Coring:

None planned but are possible.

Testing:

None planned but are possible.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal pressure gradient to TD. Some slightly pressured gas zones (.45-.47) may exist below the Tertiary Basalt. All zones are anticipated to be tight - drill underbalanced with air, air/mist, stiff foam or aerated fluids. If any Hydrogen Sulfide/Steam is encountered, air drilling will be discontinued and drilling mud will be used exclusively from that point to completion of the well

Maximum expected BHP @ 7000':

~3290 psi (0.47 psi/ft.).

Maximum expected BHT @ 7000':

~135° F

8. OTHER:

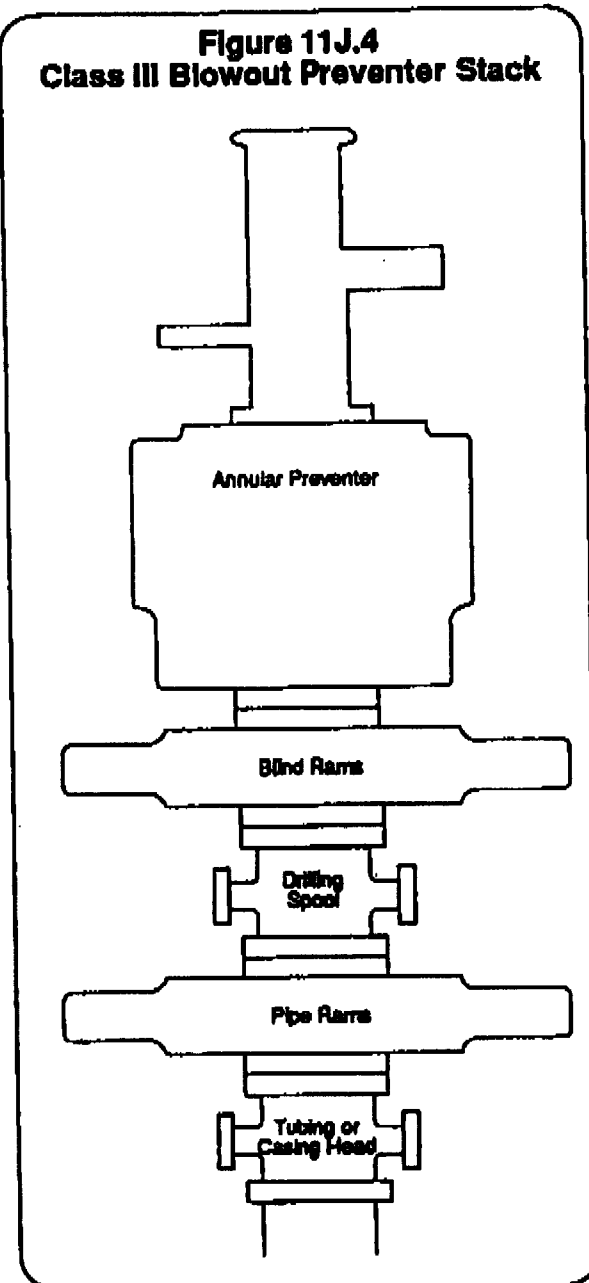
If large quantities of water are encountered during air drilling operations, any clear fluid containing no solids or hydrocarbons will be spread on location and neighboring dirt/gravel roads in an effort to control dust.

CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL-CONTROL AND BLOWOUT PREVENTION

E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

Figure 11J.4
Class III Blowout Preventer Stack

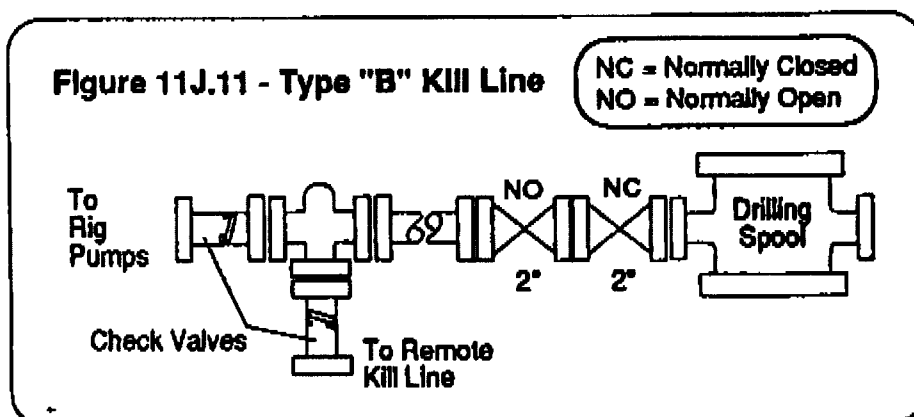


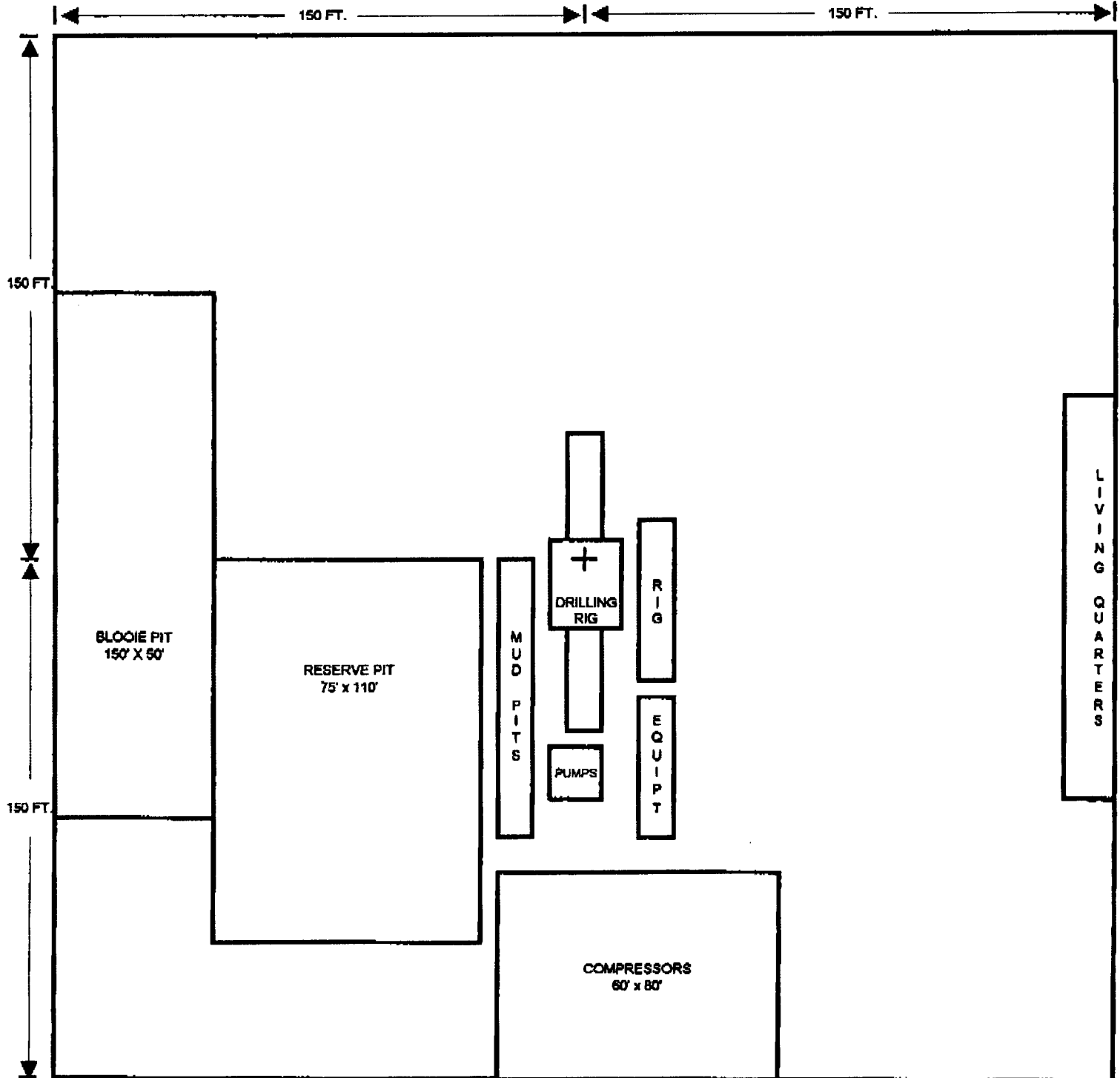
**CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION**

D. TYPE "B" KILL LINE -- CLASS III, IV, AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.
2. The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.
3. Two pump-in lines should be attached to the fluid cross. The primary kill line should be routed to the rig standpipe where it can be manifolded to the rig pumps. The remote kill line should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.
4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.
5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.
6. Any lines which are installed at the wellhead are designated as "emergency kill lines" and should only be used if the primary and remote kill lines are inoperable.



CHEVRON USA PRODUCTION COMPANY
TENTATIVE RIG/LOCATION PLATMAP SHOWING
TENTATIVE RIG/FACILITIES
LOCATION DETAILS
SEVIER LAKE FEDERAL #1-29



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 6, 1995

Chevron U.S.A. Production Company
P. O. Box 1635
Houston, Texas 77251

Re: Federal 1-29 Well, 2250' FNL, 700' FEL, SE NE, Sec. 29, T. 19 S., R. 10 W.,
Millard County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-027-30035.

Sincerely,

R. J. Firth
Associate Director

ldc

Enclosures

cc: Millard County Assessor
Bureau of Land Management, Richfield District Office
WAPD



Operator: Chevron U.S.A. Production Company

Well Name & Number: Federal 1-29

API Number: 43-027-30035

Lease: UTU-72587

Location: SE NE Sec. 29 T. 19 S. R. 10 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHEVRON USA

Well Name: SEVIER LAKE 1-29

Api No. 43-027-30035

Section 29 Township 19S Range 10W County MILLARD

Drilling Contractor APOLLO

Rig # 57

SPUDDED: Date 6/26/95

Time

How ROTARY

Drilling will commence

Reported by D. HACKFORD-DOGM

Telephone #

Date: 6/29/95 Signed: FRM

From: David Hackford
To: FMATTHEWS
Date: Tuesday, June 27, 1995 10:37 am
Subject: CHEVRON

KEN JAPP JUST CALLED ME AND SAID THEY DRY SPUDDED THE SEVIER LAKE
FED. 1-29 ON 6/21/95 AND ROTARY SPUDDED TODAY, 6/26/95, WITH
KENTING APOLLO RIG #57. THIS IS IN MILLARD COUNTY AND I DON'T
HAVE THE LEGALS OR API.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

USE "APPLICATION FOR PERMIT -" For such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No.

P. O. BOX 4876 ATTN: MARY COHLMIA
HOUSTON, TX 77210 (713)754-5068

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2250' FNL, 700' FEL
SEC 29, T19S, R10W

5. Lease Designation and Serial No.

USA UTU-72587

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

SEVIER LAKE FEDERAL 1-29

9. API Well No.

43-027-30035

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

MILLARD CO., UTAH

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completions on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.
If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

THE PURPOSE OF THIS SUNDRY IS TO REPORT THE PLUGGING AND ABANDONMENT OF THE ABOVE WELL THAT BEGAN ON 7/1/95.
PLUGGING WAS WITNESSED BY THERON MITCHELL, BLM.

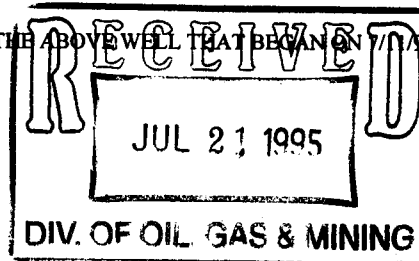
1. WELL WAS P&A'D ON 7/12/95.

2. CEMENT PLUGS:

PLUG #1 - FROM 5220'-5000' W/ 130 SKS. OF 'H' CEMENT

PLUG #2 - FROM 1705'-1500' W/ 170 SKS. OF 'H' CEMENT CONTAINING 2% CACL2

PLUG #3 - 50 SKS. AT SURFACE



3-BLM RICHFIELD, 1-RODY COX, BLM-FILLMORE,

1-AL MCKEE, BLM-SALT LAKE CITY, 1-FRANK MATTHEWS, ST OF UTAH, 1-A. BAK, CHEVRON LAND, DRLG

14. I hereby certify that the foregoing is true and correct.

Signed: Mary Cohlma

Title: DRLG. TECHNICAL ASSIST.

Date: 7/18/95

(This space for Federal or State office use)

Approved by: _____

Title: _____

Date: _____

Conditions of approval, if any: _____

Title 18 U. S. C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DATE*
(See other instructions
on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER _____						5. LEASE DESIGNATION AND SERIAL NO. UTU-72587	
b. TYPE OF COMPLETION: NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEP- <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF. <input type="checkbox"/> OTHER _____ WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR. <input type="checkbox"/>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME AND OPERATOR CHEVRON U.S.A. PRODUCTION CO.						7. UNIT AGREEMENT NAME N/A	
3. ADDRESS AND TELEPHONE NO. 1013 Cheyenne Dr., Evanston WY 82930 Attn: K. M. Kopp (307) 783-9336						8. FARM OR LEASE NAME, WELL NO. Sevier Lake Federal #1-29	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2205' FNL & 700' FEL Section 29, T19S, R10W At top prod. interval reported below At total depth						9. API WELL NO. 43-027-30035	
<div style="text-align: center; border: 1px solid black; padding: 5px;"> RECEIVED MAR 21 1997 DIV. OF OIL, GAS & MINING </div>						10. FIELD AND POOL, OR WILDCAT Wildcat	
						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 29, T19S, R10W	
15. DATE SPUDDED 6/15/95		16. DATE T.D. REACHED 7/10/95		17. DATE COMPL. (READY TO PROD.) Dry Hole - Plugged and Abandoned		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4555' GR	
20. TOTAL DEPTH, MD & TVD 6014' MD 6014' TVD		21. PLUG, BACK T.D., MD & TVD Plugged and Abandoned to Surface		22. IF MULTIPLE COMPL., HOW MANY?*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Dry Hole - Plugged and Abandoned						25. WAS DIRECTIONAL SURVEY MADE? No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction, Neutron, Density, Gamma Ray						27. WAS WELL CORED? SIDEWALL No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13 3/8" K-55		54.5		110'		24"	
9 5/8" K-55		36.0		1605'		12 1/4"	
						TOP OF CEMENT, CEMENTING RECORD	
						Surface - 14 yds Redimix Concrete	
						Surface - 670 sxs Lite & 360 sxs Class H	
						AMOUNT PULLED	
						0	
						0	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) Dry Hole - Plugged and Abandoned							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
33. * PRODUCTION							
DATE FIRST PRODUCTION Dry Hole - Plugged and Abandoned		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) FLOWING				WELL STATUS (Producing or shut-in) PRODUCING Dry Hole - Plugged and Abandoned	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N FOR TEST PERIOD	
						→	
						OIL-BBL. GAS-MCF. WATER-BBL. GAS-OIL RATIO	
						MCF	
FLOW, TUBING PRESS. PSI		CASING PRESSURE PSI		CALCULATED 24-HOUR RATE		OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY-API (CORR.)	
				→			
34. DISPOSITION OF GAS (Sold, Used For Fuel, Venied, Etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.							
SIGNED <u>K.M. Kopp</u>		TITLE <u>Drilling Eng.</u>				DATE <u>2/3/97</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. **SUMMARY OF POROUS ZONES:** (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No porous zones encountered	Lake Bonneville Sediments Tertiary Paleozoic Carbonates, probably middle Cambrian	Surface 1370 5160	1370 5160



Chevron U.S.A. Inc.

Exploration, Land & Production

Transmittal of Confidential Data

DATA TRANSMITTAL RECORD

To: <u>DEPT. of NATURAL RESOURCES</u> <u>DIV. of OIL, GAS, and Mining</u> <u>1594 WEST North Temple, Suite 1210</u> <u>SALT LAKE CITY, UT 84114-5801</u>	Requested By: _____
Attn: <u>Vicky Dyson</u>	Telephone <input type="checkbox"/> Letter <input type="checkbox"/> Cable <input type="checkbox"/>
	Reference No. <u>CONFIDENTIAL</u>
	Date Requested _____

Shipped Via: _____ Way Bill No.: _____ Date: _____

Quantity	Description
	BLACK ROCK - Chevron Black Rock Fed. Unit #1-29 205-9W-29 4302730036
	Run 2 Run 3
1 Dipole Shear Sonic Images	1 Litho Density Comp. Neu. /GR 1 - Borehole Comp. Sonic w/Gamma
1 Mud Log	1 Borehole Comp. Sonic & GR 1 - Comp. Neu. Litho Density /GR
	1 Phase 1 Induction w/GR 1 - Dual Laterlog w/GR
	1 Strat. High Res. Dipmeter
	SEVIER LAKE - Chevron USA Sevier Lake Fed. #1-29 19S-10W-29 4302730035
	Run 1
	1 Dual Dipmeter Monitor Log
	1 Dual Induction - SFL
	1 Comp. Neutron-Litho-Density
	1 Long Spacing Sonic Log
	(1 Mud Log)

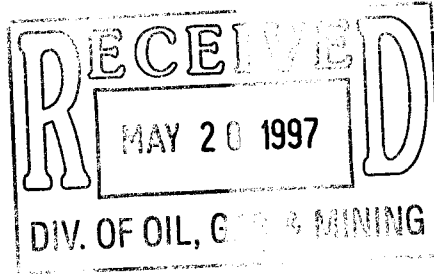
☐ Data are to be returned to this office

☐ Data not to be returned to this office

Please Acknowledge Receipt and Return Yellow Copy

Received By: _____	Date: _____
--------------------	-------------

CC To: _____ Approved By: _____



Chevron

Chevron U.S.A. Production Company
Western Exploration Division
P.O. Box 1635
Houston, TX 77251

May 19, 1997

CONFIDENTIAL

Department of Natural Resources
Division of Oil, Gas and Mining
Attention: Vicky Dyson
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Re: **Sevier Lake Federal #1-29, API No. 43-027-30035**
Submittal of Logs and Request To Hold Confidential

195 10W 29

Dear Ms. Dyson:

Enclosed herewith are the logs you requested in your letter of April 9, 1997, to Kevin M. Kopp, in our Evanston office, for the captioned well. In accordance with Oil and Gas General Rule R649-2-11, we hereby request that the logs we have marked as privileged and/or confidential, be held confidential for the maximum length of time provided.

If you have any questions, please contact the undersigned at (713) 754-3826.

Sincerely,

Douglas A. Brown